

Manufacturers Record

Exponent of America



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OCTOBER 8, 1925

How the Nation Fared From War Income Taxes.

A letter published in this issue protests against the cancellation of the debts of the Allies to the Federal Government on the ground that the enormous profits made by the people of this country during the war were made by individuals and not by the Government itself. The thought in that letter is that, as individuals who made great profits cannot be reached and made to return these profits to the Allies, the Federal Government should not cancel the indebtedness.

That is a wholly erroneous view. The prosperity of the individuals of the country went directly to the prosperity of the Government. The enormous profits of business interests gave to the Government through the income tax an aggregate staggering in amount as compared with previous years. Our income taxation had amounted to very little prior to 1916. The Government then began to feel some of the benefits of increasing prosperity due to the war. The figures jumped in 1916 to \$124,937,000, and in 1917, due to a still further growth in prosperity based on the war, to \$359,681,000. Then, however, as this prosperity expanded it created an income for the Government from income and profits taxes of stupendous proportions. This continued during the four years from 1918 to 1921, all due to the enormous wealth created as a result of the war. In these four years the Government income and profits tax amounted to

1918	\$2,839,000,000
1919	2,600,763,000
1920	3,956,936,000
1921	3,228,138,000
	<hr/>
	\$12,624,837,000

Here we have for four years income taxation, directly due to the enormous incomes created by the war, the total of \$12,624,837,000. Following the deflation campaign of 1920, there was a decrease in 1921 of over \$700,000,000 in our income taxation as compared with 1920, with a still further decrease in 1922 and 1923. No account is here taken of the lessened rate of income taxation, but the point is merely made to show that during the four years of prosperity as a result of the war this Government received from income taxes more than the entire indebtedness of the Allies to the Federal Government.

Even these figures, however, do not fully measure the vast increase in our prosperity based on the war and the unprecedented purchases by the Allies of American products. Every laboring man in the United States got a far higher range of wages than he had ever had before by reason of the national prosperity based on the insatiate demand from the Allies for food, for ammunition and for everything else needed by people engaged in so gigantic a struggle, and every farmer got higher prices for his products. The income figures by years paid to the Federal Government were as follows:

Year	Amount	Year	Amount
1910	\$20,952,000	1917	\$359,681,000
1911	33,517,000	1918	2,839,000,000
1912	28,583,000	1919	2,600,763,000
1913	35,006,000	1920	3,956,936,000
1914	71,381,000	1921	3,228,138,000
1915	80,202,000	1922	2,086,918,000
1916	124,937,000	1923	1,691,090,000

We do not doubt but that many of our readers who have not studied the matter fully take the same view expressed by the two in this issue in opposition to cancelling the indebtedness of the Allies, but, on the other hand, we have many letters enthusiastically commending the position of the Manufacturers Record and calling upon the nation for its own honor, as well as for the good of the world, to cancel these debts.

We commend these articles to the careful study of every reader.



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OCTOBER 8, 1925.

Manufacturers Record

EXPONENT OF AMERICA

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Manufacturers Record

EXPONENT OF AMERICA

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Weekly }

BALTIMORE, OCTOBER 8, 1925.

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Broad National Development Through Southern Progress.

AT a cost of between \$10,000,000 and \$12,000,000 five steamships are being built at Newport News, Va., for the Florida trade. The finest and fastest coastwise steamship in the United States has been brought from the Pacific and is scheduled to make regular runs this winter between New York and Miami, a distance of 1100 miles, in 48 hours. A telegram from J. W. Young, the owner and builder of Hollywood, Fla., where a harbor is being constructed at a cost of \$15,000,000, with General Goethals as the consulting engineer, states that he has purchased five four-masted schooners and one steamship, and is now on his way to New York to purchase two more steamships and one ocean-going tug, in order to carry freight of all kinds from various ports to Hollywood, to be unloaded by lighters from the sea. Two of these vessels, it is announced, will bring cement from Belgium.

These are suggestive facts of dozens—yes, many dozens—recorded every week. But they would be wholly misleading if they carried the impression that development of this kind is going on in Florida alone. The spirit that has been awakened throughout the South is causing similar activities in all other parts of the South.

In the hotel line Augusta comes to the front with a \$6,000,000 hotel to represent an ultimate outlay, including other activities, of \$10,000,000 by one of the greatest hotel builders of Chicago, though the location is just across the river on the South Carolina side. The builder of one of Florida's most noted hotels, following the recent announcement of his plan to build a \$2,000,000 hotel at Hendersonville, has purchased a large acreage at Augusta on which to build a \$2,000,000 resort hotel.

At Yorktown, Va., sacred in the memory of American history, a contract has been let for a club hotel at a cost of \$1,300,000, and the club membership is said to include the most distinguished list of any club in America.

Great schemes for development work, including the building of a \$2,000,000 hotel by well-known people, are being carried out on the Mississippi coast; and Texas, with all of its activities, is boasting that the time will come when on its Gulf coast it can beat Florida in grapefruit growing. Mobile is asking for bids for concrete piers to cost approximately \$1,000,000 as part of the first unit of the \$10,000,000 harbor and dock development to be carried out at that point. An Alabama lumber company has begun work on a \$1,000,000 plant for creosoting ties and piles. Stone & Webster, Inc., which recently purchased the Virginia Railway & Power Co.,

is reported as arranging to spend \$12,000,000 for extensions of hydro-electric power plants in that section.

And so the story runs, almost without end, of enterprises which have been reported within the last two or three days to the MANUFACTURERS RECORD. Dozens of others, covering great hotel enterprises in Florida and elsewhere, could be given. These are mentioned only as suggestive of the variety and the character of items of news which come pouring into the office of the MANUFACTURERS RECORD every hour of every day in the week.

Sweeping the eye across the whole horizon of the South, it is seen that a new era has dawned upon this section.

At last the South has awakened to its own potentialities and has determined that they shall be utilized.

At last the nation is awakening to the realities of the South, and the tide of population is moving this way.

The semi-arid regions of the Far West, disturbed by the Southward movement of population into Texas and other Southern states—and Texas alone could swallow millions of people year after year for many years before it would be overcrowded—are bestirring themselves, hoping to induce Congress to make great expenditures on irrigation work in order to stem the Southward tide. They are hoping to enlist the central West in their campaign, because they realize that the central West is alarmed at the movement of population and money into the South.

Viewed from every angle, this population movement is of the broadest national concern. Here and there it may drain some town or city or county, of some population, just as Iowa was for many years drained of tens of thousands of people who moved to California. Here and there individual communities may lose to the benefit of the South. But in the long run this movement will be of benefit to those losing communities to as great an extent possibly as to the South itself by reason of the fact that it is already stirring every community which is beginning to feel this loss to greater energy in creative work to hold population at home. Many of these older communities have become somewhat stagnant. They are not full of that life and vitality which is necessary in new and rapidly growing sections. They are handicapped, therefore, by this very lack of initiative and of creative work.

The fact that cotton mills are moving in large numbers from New England to the South does not mean the decay of New England. It simply means that the spirit of New England people will be quickened into a larger activity and they will find new sources for the employment of people and the creation of wealth. They have done this in the past and they will do it again.

The movement from the West, even from the Pacific Coast,

to the South will not impoverish those sections, though it will enrich the South. They too, will be stimulated to make up for the loss of population by increasing activity in order to induce people to remain at home.

This Southern movement, therefore, is not merely a thing of immense value to the South; it is, as stated, of value to the entire country.

It can be viewed from another angle. The South is the nation's greatest asset—greatest in resources, greatest in ability to support population, greatest in wealth of raw materials, soil and climate, for the building of a mighty empire. Its area is about one-third of continental United States, and in it there are no vast stretches of desert lands as in the Far West; no vast mountain ranges that cannot be utilized either for timber or for agriculture, for the Southern mountains are covered with timber, and where the timber has been cleared off the soil is suitable for many lines of profitable agriculture.

The South has three-fifths of the coast line of the United States. It raises practically all of the cotton, the export of which has maintained for half a century or more the balance of trade in favor of the United States. It is the chief article of our foreign trade, and without it the balance of trade would for years have been so much against us that our financial situation would be entirely different from what it has been and what it is now.

Looked at from a national standpoint, therefore, the fullest development of the South means the utilization of the greatest opportunity which this country has for the largest development of national wealth. That development means betterment for every section of the country. It means the growth of a greater and stronger nation. It means a rounding out of national life to a greater extent than we have ever had, or ever could have had, except through the coming of this new era into Southern activities.

Regarded simply from the standpoint of the South, it means that this section is being quickened into a livelier activity than it has known in the past. It is accumulating more wealth than ever before, and that will mean the expansion of its educational and religious activities. It will mean a vast increase in the demand for everything which enters into the building of a great nation, with all the diversified operations of such a region. It means the intermingling of the people of the North and of the West and of the South to a greater extent than we have ever before had—a rounding out of national thought and national life. It will bring into the South men of new views, men of new lines of thought and activity, and it will quicken the thought and the energy of the Southern people themselves. There will be the attrition of mind against mind, out of which will be produced the largest results for the good of all. **Indeed, for the first time in the history of our country, we can now see that this nation is really rounding into form.**

HAS BEEN HIDING ITS LIGHT.

JUDGED by a pamphlet descriptive of Calhoun county, Florida, issued by the Chamber of Commerce of Blountstown, Fla., the people of that section have been hiding their light under a bushel. As presented in this pamphlet, Calhoun county has advantages so alluring that it is to be regretted the facts pertaining to it have not heretofore been made more widely known.

If any reader of the MANUFACTURERS RECORD wants to get an interesting story of a section of Florida, of which he has probably not yet heard very much, let him get a copy of this pamphlet and he will learn of a section that has many resources and many charms.

A POLICY AGAINST PUBLIC WELFARE.

A LETTER from Harry Chandler of the Times-Mirror Co., Los Angeles, to a friend in New York, in which he discusses the postal zone system, reminds us of a statement published in the MANUFACTURERS RECORD of October 14, 1917, on the same subject by Woodrow Wilson. Under the heading of "Views of Woodrow Wilson and Charles E. Hughes on the Zone System," this paper on the date named published the following:

"When President Wilson was Governor of New Jersey there was before Congress a suggestion for adopting the zone system of postage on newspapers and magazines. In an interview published at that time Mr. Wilson was quoted as saying:

"It must be that those who are proposing this change of rates do not comprehend the effect it would have. A tax upon the business of the more widely circulated magazines and periodicals would be a tax upon their means of living and performing their functions.

"They obtain their circulation by their direct appeal to the popular thought. Their circulation attracts advertisers. Their advertisements enable them to pay their writers and to enlarge their enterprise and influence.

"This proposed new postal rate would be a direct tax, and a very serious one, upon the formation and expression of opinion—its more deliberate formation and expression just at a time when opinion is concerning itself actively and effectively with the deepest problems of our politics and our social life.

"To make such a change now, whatever its intentions in the minds of those who propose it, would be to attack and embarrass the free processes of opinion. Surely sober second thought will prevent any such mischievous blunder."

In regard to an expression on the subject which had been made in an interview published at the time in some of the daily papers the report of the Hughes Postal Commission, of which Hon. Charles E. Hughes was chairman, was as follows:

"The policy of zone rates was pursued in the earlier history of our postoffice and has been given up in favor of a uniform rate in view of the larger interests of the nation as a whole. It would seem to the Commission to be entirely impracticable to attempt to establish a system of zone rates for second-class matter."

The letter on the postal zone system written by Mr. Chandler is such a clear presentation of the whole matter that we invite the attention of our readers to a very serious study of all of these views, since they bear so directly upon the welfare of the whole country. Mr. Chandler's letter follows:

"Under the old system the editor of every important newspaper in the United States had at his hand exchanges representing every other important newspaper. His field of editorial material was national and, sensibly or insensibly, his viewpoint became national as well. Public problems of import to the whole country were everywhere discussed with actual, first-hand knowledge of the needs of the nation at large instead of from the standpoint of local interest.

"The free circulation of newspapers had a wholesome effect upon business and travel. It made it possible for business houses and individuals everywhere to keep in intimate and detailed touch with their various markets throughout the country, and for one industry to maintain with others upon which it was dependent the vital contact available otherwise only with difficulty and at large expense.

"The present schedule of second-class postal rates has all but done away with these obvious advantages. It has curtailed to the vanishing point the national circulation of our great newspapers by reason of the excessive charges for transmission to distant zones. It has practically wiped out the practice of exchanges between newspapers.

"The effect of limiting the circulation of our great papers to a comparatively small area apiece has been to promote provincialism, to break up a homogeneous country into a large number of separate communities with widely divergent interests and no medium for composing those differences. It may be argued that the extensive telegraph services in effect between newspapers serve in a measure to compensate for this condition. However, such services are so largely confined to the bare facts of the day's news as to be a very poor substitute.

"Students of American history and economics and others aware of the great number of clashing elements which make

up the social, political and business fabric of the United States can testify to the difficulty of their maintenance as a harmonious whole, to the value of any medium which helps to maintain that integer and to the peril of serious conflict and even possible ultimate disintegration which attends any extensive interference with a system that has helped make that unity possible."

A \$73,000,000 HIGHWAY IN ENGLAND SUGGESTS A PACE FOR AMERICA.

AN item which is passing around the country, but for the accuracy of which we cannot vouch, is as follows: "A cost of \$325,000 a mile is estimated for a 226-mile highway to be built in England between London and Liverpool. The road is to have no crossroads and will pass through no towns. It will be double, with a roadway for slow traffic and one for fast travel, with no speed limit on the section for fast going. A toll equivalent to a cent a ton per mile will be charged."

According to this statement, a 226-mile highway is to be built in England at a cost of \$325,000, or a total of \$73,450,000. If England can build such a highway, surely it is time for the United States, having more than 85 per cent of the automobiles of the world, to consider some plan for relieving the congestion on the highways of this country.

A recent proposition, emanating from Washington, suggested the building of a highway 320 feet in width between Baltimore and Washington. Ten or twelve years ago B. N. Baker, then one of the leading business men of the world and creator of the Atlantic Transport Line, suggested that a highway 1000 feet in width should be built between Baltimore and Washington, the center to be occupied by park space, beautifully laid out, and to be the site of buildings representing each state in the Union, filled with exhibits of historic interest and of the natural resources of each state. Mr. Baker's suggestion was that in this manner the advantages of every state in the Union could be studied as in no other way and that the width of this great boulevard would make it one of the outstanding features of world travel. He was ahead of his day in this respect, but the time has certainly come when the country must consider building wide highways, wider than anything we now have in America, and beautified as far as may be possible, and some of these highways must be devoted wholly to motortruck business and some to one-way rapid service by automobiles.

We are in a new era. The world knows nothing like it. Only a few men have yet visioned the inevitable changes which must take place in the building of broader highways, in beautifying them and building them so solid that they can stand any degree of traffic. This is an economic condition which has come about and we must face it and in some way meet it.

ORGANIZED LABOR DEFIES LAW.

THIS from an Associated Press news dispatch from Urbana, Ill.:

"Lawbreaking is part of the duty of a labor unionist sometimes, J. P. Frye, president of the Ohio State Federation of Labor, told the Illinois Federation of Labor convention today.

"Just as disobedience to tyrants was obedience to God," he said, "so disobedience to injunctions, in some cases, is obedience to the Constitution. I believe in law, but I also believe in human liberty."

Yet organized-labor leaders and sympathizers, including a subservient press, brazenly and blatantly assert that organized labor is patriotic and loyal to the United States Republic and its Government. Also, well-meaning but deluded persons deny that communism and the spirit of communism are rampant in the land, tolerated by Federal, state and municipal authorities who are sworn to suppress treason.

FALSE "FRIENDS" OF THE CHILDREN.

AMONG almost daily indications, not to say warnings, that advocates of the discredited Child Labor Amendment propose to continue their fight for ratification of that measure, despite its rejection by many of the states, comes a brochure from the National Child Labor Committee entitled "The Child Labor Complication in 1925." Incorporated in 1907 by act of Congress "to promote the interests of children," this organization may seem to some who study its personnel as having been changed to some other purpose.

In such organizations, as is well known, the "executive secretary" or "general secretary" or the official under a similar title almost invariably is the "whole works"—he originates and directs the activities, gets out the propaganda and publicity, takes in the subscriptions and directs the disbursements and makes sufficient show of energy and "results" to justify his salary. Unfortunately, the officers and directors are wont, because of demands on their time and thought by their private affairs, to let the "executive secretary" go his own gait and merely supervise his course in perfunctory fashion.

The general secretary of the National Child Labor Committee is Owen R. Lovejoy. To those with any knowledge of Red and radical activities in the United States the name has a familiar ring. Owen R. Lovejoy? Oh, yes; the tearful fellow who wrote a lachrymose letter to "Dear Gene" Debs at the time the latter was sentenced to the United States Penitentiary at Atlanta—a moving epistle of wondrous poetic promise in which he analyzed his feelings by comparing them with the falling shades of night. What said the late R. M. Whitney, an undisputed authority on radicalism, of Lovejoy in his book, "Reds in America"?

"Among those given as members of the directorate of the National Information Bureau 'representing organized social work' is the familiar one of Owen R. Lovejoy, general secretary of the National Child Labor Committee of New York. It should be noted that Lovejoy is secretary of the Bureau (1921), presumably indicating his lively interest in the work.

"TO RADICALS OF EVERY HUE, FROM THE ATLANTIC TO THE PACIFIC, LOVEJOY'S NAME IS ALWAYS HAILED WITH SATISFACTION (caps ours).

"He is listed in the Lusk Committee (of the New York Legislature) report as a member of the Executive Committee of the Civil Liberties Bureau, of which Roger N. Baldwin was director, this bureau afterward merging into the American Civil Liberties Union. A PART OF THE OPEN OR LEGAL MACHINERY OF THE COMMUNIST PARTY IN AMERICA (caps ours).

"The roster of that Executive Committee reads more or less like the membership of a New York local, among them being Rabbi Stephen S. Wise, Dr. James P. Warbasse, Rev. Norman M. Thomas, Agnes Brown Leach, Zona Gale, Max Eastman, Emily Greene Balch, Oswald Garrison Villard, Prof. Scott Nearing, James R. Maurer, Alice Lewisohn, Paul U. Kellogg, Rev. John H. Holmes, Frank Bohn and Jane Addams."

And, sure enough, among the officers and directors of the National Child Labor Committee one finds the names of Jane Addams, Mrs. Henry Goddard Leach and Stephen S. Wise. Of Jane Addams much has been said by Whitney and others with knowledge of her radicalism—indeed, in an advertisement in "The World Tomorrow," says Whitney, and cited by "The Woman Patriot," it was stated that "Miss Jane Addams of Hull House, Chicago, is listed as a stockholder in the Russian-American National Corporation (Sidney Hillman) ALONG WITH NICOLAI LENIN (caps ours), Eugene V. Debs, Charles P. Steinmetz and Congressman La Guardia." And, again, of Lovejoy, Whitney says:

"As a general secretary of the National Child Labor Committee he has been welcomed in at least one high school of the

city of New York, where, after making a speech, he solicited pennies from the students for the support of the committee."

Apparently, Lovejoy was not too proud or philanthropic to beg pennies from school children, to be used presumably for the benefit of working children—self-respecting, independent, happy working children who would have united in protest against such dirty begging had they known of it. Still, an "executive secretary" or "general secretary," of a certain type may have to raise money for his salary and begging pennies from children for such a laudable purpose will be condemned by only the most captious and narrow souls.

Of the officers and board of trustees of the National Child Labor Committee, William Draper Lewis is listed by Whitney as a member of the American Association for Labor Legislation; Jane Addams is listed by him in the American Association for Labor Legislation, the American Civil Liberties Union, the Fellowship of Reconciliation, the People's Legislative Service, the Women's International League for Peace and Freedom and the World Alliance for International Friendship Through the Churches; Lillian D. Wald is classified in the American Association for Labor Legislation and the Foreign Policy Association; Paul M. Warburg is listed in the American Civil Liberties Union and the Institute of Economics. Wise and Lillian Wald are described by Whitney in another place as "associated with these pro-German agents in the organization of these anti-American bodies," speaking of un-American organizations, in his book.

Such is merely an outline of some of the activities and the records of Lovejoy and two or three others influential in the National Child Labor Committee.

From the brochure of an organization composed in part of such persons one may reasonably expect false statements and fallacious arguments. One will not be disappointed.

One truth it does state: "The apprenticeship system is passing." It does not give the reason for this condition. The reason is that the labor unions are curtailing through their rules and regulations the number of apprentices permitted in various crafts. Organized labor of the present proposes to prevent competition by or in a rising generation of skilled workmen. The present membership of organized labor proposes to hang onto its work monopoly as long as the present members live, and hand it down to a select and favored few in the future. So, instead of taking in a reasonably adequate number of apprentices and providing for the future needs of the country, they bar the door to them.

And the National Committee on Child Labor wickedly attributes this "passing of the apprenticeship system" to the "evils" of so-called child labor.

"PEP AND COURAGE."

IN a big display advertisement in the Anderson (S. C.) Independent an Anderson real estate company among other things said:

"What we need is outside capital plus inside pep and courage."

In this case the cart is put before the horse. What every city in the South needs is "inside pep and courage," and then it will get the outside capital.

Capital does not like to go to a community which has not displayed "pep and courage." Capital goes into live communities, not dead ones. It goes where people have faith in themselves and in their community. Capital, through its agents, is often studying many places without proclaiming that fact from the housetop. The inactive town that lacks "pep and courage" is apt to be passed by.

Anderson we believe has "pep and courage." Certainly it has justification in its natural advantages, its beauty of location, and its progress, for both. It ought, therefore, to be an inviting field for capital.

A VISION OF A UNION DEPOT IN BALTIMORE WHICH STIRS THE IMAGINATION.

MAJ. THOS. M. DEFREES, United States Army, retired, has been making a considerable study for his own pleasure of the depot facilities present and possible in Baltimore. It is needless to say there is probably no other city of Baltimore's size in this country or Europe which is so inadequately supplied with depot facilities, and no other city which ever would have put up with the intolerable gases of the Pennsylvania tunnel, where passengers are nearly smothered every time a train passes through.

Major DeFrees was a lieutenant with General Miles in several of the latter's Indian campaigns; his father was the first Public Printer of the United States, appointed by President Lincoln. He has an engineering mind and a vision which has enabled him to point to what might be done in Baltimore by a combination of the city and the railroads in developing a union terminal which would become one of the outstanding railroad stations of the entire country. Its value to Baltimore would be almost without limit.

Major DeFrees' letter, which we heartily recommend to a careful study by the people of Baltimore, is as follows:

Baltimore, Md., September 25.

Editor Manufacturers Record:

I often wonder whether the people of Baltimore, its business men and the municipal officials realize and appreciate the utter deficiencies and inadequacies of its so-called Union Station on North Charles street. For the "gateway" to the Glorious South I am afraid these "gates" are antiquated and a reflection on a road that has the reputation of the Pennsylvania. How horrible are the noxious gases and fumes, the smoke, the gopher holes called tunnels at either end of the station! How you almost choke in going through!—and to be safe you should wear a gas mask. I am told, and can easily observe, the damage to real estate in every direction, probably eight or ten squares, and can easily understand the unlivable conditions in the houses that come within the smoke and gas area.

I cannot understand how the people of Baltimore accept so complacently a situation that ought to be an open window to its confines. How depressing it is to reach Baltimore under such unattractive conditions, how unfavorable the impression must be, almost equal to the depressing influence of your old cobble-stones, which you finally dug up and replaced by smooth pavements! The station entry into a city is in a measure reflective of that city; at least it produces impressions. Not only is there a certain practical, common-sense impression possibility in the situation, that of adequate and proper facilities, but a certain psychological impression which reacts against the city and is retarding its growth and development more than the people of Baltimore seem to understand and appreciate.

As one who has traveled a great deal, entering many stations and railroad terminals in this and other lands, I am prepared to give the Union Station in Baltimore the "booby prize." I have come in contact with some of the local atmosphere and local ambitions and have seen the great desire of many of Baltimore's business men to have the city progress and go ahead, but how in the world can it ever attain its rightful place with such railroad facilities as it now has? This it seems to me is the primary improvement to be made; everything else will naturally follow.

In studying the physical area surrounding Union Station, I am struck with the natural opportunities it gives for one of the greatest and most adequate railroad terminals in the country; right now every railroad in Baltimore enters the Union Station area, and at almost dead level, and how easily all the rails could be brought within one union station!

Much of the land now in the railroad section is an eyesore and improperly utilized. Take, for instance, the section from Mt. Royal avenue on the south to North avenue on the north,

and from a point, say, at Guilford avenue on the east to the intersection of Mt. Royal and North avenue on the west. Transforming this wonderful piece of terminal into a real terminal would give Baltimore one of the greatest and most adequate railroad terminals in this country. Here would be enough ground for a complete modern station, with enough tracks and switches to handle the railroads, enough ground made available for the private automobiles, public taxis, the rapidly oncoming public bus. The roof of such a terminal with the surrounding open area would make a suitable and safe landing place for aeroplane mail, thus centralizing the mail. Then several of the Baltimore trolley lines could be looped into the Union Station area; we have 10 or 12 now within call. Baltimore would become a real transportation center, surpassing anything of the kind in its completeness in the country.

Baltimore in failing to utilize properly its wonderful opportunity in the area around its Union Station is merely illustrative of similar character in other cities. Very often the men on the outside looking in see things more clearly and opportunities more beckoningly than the home folks. Sometimes an opportunity is too near you to be clearly defined. Practical instances of this kind can be recalled. Outside vision and outside capital have turned many opportunities into realities. It was largely, for instance, Cincinnati capital and energy that modernized the street railways in Baltimore, or at least that had a good deal to do with it, and likewise Philadelphia capital in the building of street railways in New York city. It is very much like the farmer with a clear, cold, bubbling spring well protected by a beautiful, symmetrical, sturdy oak. One of his country cousins in visiting him one summer instantly saw the beautiful oak tree and exclaimed, "What a beautiful tree you have over your wonderful spring!" And the farmer, looking up, said, "So it is, but I had not noticed it before." Baltimore has a wonderful acorn in its unusual union station possibilities.

Is there enough vision in Baltimore to build this? Is there enough ambition to set the imagination on fire and bring into being an improvement that will quicken Baltimore business, social and civic life and send it bounding along to a place where its natural resources and opportunities may be adequately utilized and which it is entitled to have?

Consider what other cities have and are doing, some much smaller than Baltimore. As an example, Indianapolis, with a population of only 300,000, has a terminal that accommodates 17 railroads. Kansas City has a terminal that cost \$50,000,000, Chicago one that cost \$75,000,000, Washington \$12,000,000. And the other evening over the radio Admiral Benson gave a description of the proposed new terminal at Cleveland to cost \$60,000,000. It would not be surprising to read that Miami, Fla., is to build a \$50,000,000 terminal and advertise that city as the "gateway" to the South (coming North).

This is not a "pipe dream," but plain unadulterated fact, and the question is, have we enough "progressives" in our city of 800,000 population to put their shoulders to the wheel and have a terminal that even the passengers will know when they reach Baltimore?

THOS. M. DEFREES,
Major, U. S. Army (retired).

READY-MADE HOUSES MIGHT BE USED IN FLORIDA.

IN view of the tremendous rush of people to Florida, there will necessarily be a scarcity of housing accommodations this winter that will be extremely acute, to the disadvantage of thousands of people and to the state. In an emergency such as this the Boston Transcript has suggested that some big New England steamers, which are laid up in winter by reason of the ice, might be sent to Florida and used at some of the ports in place of hotels.

There is another way in which some help might be rendered in this emergency, and that is by the erection in Florida of ready-made houses, which can be put together so rapidly that this plan is worthy of consideration.

There are a number of concerns doing work of this kind, and Florida people could well afford to investigate the possibilities in that direction.

A SUGGESTION TO FLORIDA PEOPLE TO SAFEGUARD THE PUBLIC.

Shryock & Sykes,
Municipal Engineering.

Baltimore, Md., September 23.

Editor Manufacturers Record:

In your reports of development and prosperity in Florida and the South I have missed a note that I think should be struck definitely and with fearlessness. The need for a well-heralded warning has only recently been brought to my attention.

With the startling influx of outsiders, caused by the land boom, it is reasonable to suppose that not a few dishonest manipulators have wended their way Southward, and we need not wonder if many honest investors are cheated out of their money. We can even now almost hear their cries, but there need be no such cries.

There is room in the South for many more real estate agents and developers than are there now, perhaps; but it seems to me Florida and the South should be mindful of the responsibility arising from the present situation. The obligation ought to be fairly faced and boldly met.

Whether by the various boards of trade, by state bodies, or by special legislation, the investment and development field should be kept clear of notorious crooks from the South or from the other states, who hide behind a stack of judgments or defensive deeds of transfer. This is not an easy task for the South, it may be very difficult, but the fair name of the South is worth all of the time, worry and effort necessary for its accomplishment. The confidence of the rest of the country is worth it, and honest business is entitled to it.

With a claim satisfactorily established, the call to action is clear. Keep the investment and development field of the South free from the unscrupulous manipulator, be he lawyer or realtor.

G. FORNEY SHRYOCK.

The substantial interests of Florida are endeavoring to the best of their ability to do exactly what Mr. Shryock suggests. The MANUFACTURERS RECORD has been pressing this matter upon the attention of Florida people, but it cannot be too strongly emphasized. It will be inevitable, while there is such a great rush of people as is now going on to Florida, that there will be included many crooks and thieves of all degrees, high and low—if any crook can be high.

Every legal power in every Florida community, among the business men and commercial organizations and city officials, and in the counties and in the state, should be utilized to the fullest extent possible to safeguard people from swindlers. Necessarily the vultures, seeking to fatten upon robbing others, will be in evidence. They should be watched and driven out of the state, and due warning given to people everywhere to be sure that they are dealing with honest men in any transactions in Florida. There are plenty of thoroughly honest, upright real estate operators who are jealous of the responsibility of their business. Whenever and wherever they find a dishonest or tricky real estate man it is their duty to themselves and to the state to take some action, through real estate boards or through city officials, to drive them out of the state.

FOR BUSINESS AND MORAL PROGRESS.

PRESIDENT J. C. ESTELOW of the First National Bank, Oxford, N. Y., in sending his check for \$5 for 10 copies of the pamphlet "Prohibition Has Justified Itself," recently issued by the MANUFACTURERS RECORD, writes:

"In this pamphlet and its getting out you have done one of the most constructive pieces of work for the business and moral progress of the country that has yet appeared."

This is the spirit of letters which have come to us from many parts of the country, showing that business men of all classes are fully appreciative of every effort that is made for the advancement of Prohibition, both on economic and moral grounds.

SOLDIERS WORK TO PROMOTE PEACE.

FROM the hideous World War has developed the Military Order of the World War, an association of not only "those who served as officers of the Army, Navy and Marine Corps in the World War," but who also "have pledged themselves to organized civilian as well as military usefulness." Maj. Gen. George H. Harries is commander-in-chief, Maj. Gen. James G. Harbord is a member of the general staff, and the roster of officials contains the names of other eminent soldier-citizens.

From Capt. George L. Dorte, adjutant general in this organization, come to the MANUFACTURERS RECORD a few copies of the National Bulletin, in which he hopes we may find "some material of interest." We find much—first and foremost, a loyal and patriotic American spirit in emphatic contrast with the treasonable utterances of the Daily Worker and other Red publications permitted by the Department of Justice and the Postoffice Department to be published and circulated throughout the land.

Perhaps one of the most significant items in the copies at hand is the first paragraph in a call "to all companions" to recruit more members for the order, in which Rear Admiral T. J. Cowie says:

"Please remember that in your membership in the Military Order of the World War you are a vital part of the greatest peace-loving organization of the world—an organization that stands for a World Peace which will carry with it our country's national safety. To that end we work as a part of our ideals and purposes."

The Military Order of the World War is an organization for the preservation of peace—there is a thought for American pacifists to ponder. But this is to be a peace of "national safety" and national honor—not a "peace at any price," at any sacrifice of national honor or safety or dignity. The activities of such an organization as the Military Order of the World War will go far toward the promotion of permanent peace; the passivity of the pacifists encourages and stimulates potential enemies of the United States, either outside nations or Bolsheviks within its borders. As has been shown in the MANUFACTURERS RECORD, the handling of the Mexican situation by President Wilson undoubtedly encouraged Germany to open the World War, whereas a display of national firmness would have stayed Germany, through knowledge that America would not sit supine through insult and attack, but would join the Allies in resistance to the German move for world domination.

Especially interesting are the disclosures in the National Bulletin of the order concerning the activities of the world Bolsheviks in their avowed move for the overthrow of the American Government by violence and bloodshed. Recent activities of the unspeakable American Liberties Union are exposed, and influences in the International Council of Women are opened to public view. And equally patriotic and informative are the cartoons on American bolshevism. Finally, the Bulletin is a capital newspaper in its particular circle, full of interesting news items for its readers.

The officers and other members of the Military Order of the World War seem well on the way toward fulfillment of their pledge for "organized civilian usefulness," as well as military usefulness.

HOW TO BUILD TOWNS.

IN a recent issue some interesting facts were given by J. F. Newsom, agricultural development agent of the Kansas City Southern Railway, in regard to the character of spirit that builds towns. In Mr. Newsom's article, from which these statements were taken, we referred to the three towns, A, B, C, as "imaginary," and were under the impression that Mr. Newsom simply named them for the purpose of illustrating his point. As a matter of fact, how-

ever, the three towns, so Mr. Newsom writes us, are real towns and illustrate the situation. On this point he says:

"Towns A, B and C are real towns located on the Kansas City Southern Railway. The conditions outlined at each of them are actual conditions. The causes underlying such conditions are the actual causes, as determined through very careful and painstaking investigation, and the people referred to are real people in every instance.

"Towns of the type of A and C are all too rare, and these two were used in my article because a mere recital of the actual facts with reference to them is proof positive of what can be done in a small town located in an agricultural community.

"Town B was used because its natural conditions are the same and its possibilities are the same as those at towns A and C; its location is between towns A and C, as mentioned in my article, and the reasons underlying its deplorable economic conditions are basically the same reasons that underlie similar conditions in perhaps 95 per cent of the small towns in the agricultural regions of our country as a whole."

THE SOUTH'S DAY IS COMING.

PRESIDENT J. S. WANNAMAKER of the American Cotton Association, in a letter to the MANUFACTURERS RECORD, suggests that not only Florida but the whole Atlantic Coast of the South is soon to share in Florida's prosperity. We will extend the suggestion and say that not only the South Atlantic Coast, but the Gulf Coast on out to the limit of Texas will also share in this prosperity, and not only will it be the Atlantic and Gulf coasts, but all parts of the South. The movement is under way; it is nation-wide. It will bring about an increase of wealth and prosperity such as the South has never before had. In his letter on the subject President Wannamaker said:

"A big business man has made the following statement:

"There are 70,000,000 people in America to whom Florida is accessible as a playground and for homes; they are making purchases there for this purpose. It is largely the result of the work of Mr. Edmonds that their attention was attracted to Florida. This is not a boom—it is permanent and will spread to all sections of the South. Watch lands on the Carolina coast, old Colonial homes and fertile farming lands. Prices at which they are being sold today will be regarded as a tremendous sacrifice in a few years. In other words, people who are selling today will realize they swapped their birthright for a mess of pottage. The many advantages offered in the South for homes and investments are being realized today as never before. Mr. Edmonds was the pioneer in this movement."

"Only recently a plantation on the coast of Carolina which sold for \$17,000 on the highest inflated values we had on real estate in 1918 was sold for \$100,000, and this is only one of the many recent deals. In my judgment this marks a permanent change in the south, which is destined to become the most densely populated section of any part of the nation, and the population will be composed of the cream of the nation.

"I sincerely hope and pray you will live to see predictions you have made concerning the South verified. The boom today is in its infancy."

We quote this letter without, however, any claim whatever to the commendation made to the editor of this paper, but merely to express our belief that what happened in the case of the particular plantation on the coast of Carolina will happen in thousands of other cases, not only on that coast but all the way down to Brownsville, Texas, and in other parts of the South. The South's day is coming.

AUTOMOBILE AND RAILROAD TRANSPORTATION.

FROM almost daily news articles announcing the institution of public bus lines between large cities, as well as between large cities and smaller communities, the revolution in passenger and freight transportation methods, started with the development of the automobile, appears to be gathering impetus. Among the most recent, for instance, is a bus passenger service between New York and Philadelphia, in which, it is announced, 10 cars will be operated by next spring.

Farther south such passenger service has been in operation for some time between Washington and Baltimore, between Baltimore and Atlantic City, between Philadelphia and Atlantic City and scores between these main points and lesser cities, towns and villages distant 50 miles or more. In the South the bus line is in evidence almost everywhere. A passenger bus line runs between Boston and New York—such long runs now are almost as common as the shorter stretches long have been.

Much the same service also is in operation with freight trucks. Indeed, announcement is made that a steamboat company proposes to run great ferryboats between New York and Albany primarily for the transportation of freight automobiles. Manufacturing and commercial concerns "upstate," it is figured, will load their vans in New York, ship them on these ferryboats for a night run to Albany, whence they will proceed to their destinations. The rate, it is said, will match gasoline costs, and saving will be made on insurance and wear and tear and repairs.

That this new transportation system, for both freight and passengers, is having some effect on the railroads there can be no question. Branch lines and short lines are being discontinued in many sections. Indeed, many railroads are operating bus lines now on such routes, or are using gasoline cars on the rails. But there does not seem to be any reason for railroad security holders to fall into a panic. The continuous development and growth of American industry and business will make up to the rail carriers much that the automobile takes away. Undoubtedly, there will be business enough for all through many decades to come.

PROSTITUTING THE "MOVIE" SCREEN.

ACTUAL prostitution of the moving-picture screen is disclosed in the following news item in the New York Herald Tribune:

"Bread cast upon the waters by James J. Walker when he opposed motion-picture censorship in 1923 is being returned many-fold. Film theater owners in New York city, organized '100 per cent behind Walker' for Mayor, promised yesterday to spread his campaign activities before every picture audience in the town, beginning late this week."

Mr. Walker's identity was of moment then only as one of half a dozen candidates for the office of Mayor of New York.

This devotion of the motion-picture screen to the interests of any individual or organization or cause is not only a fraud and imposition on the patrons of the moving-picture houses, but is also a move fraught with national menace. It hardly can be called a precedent, such a precedent having been set in a national political campaign, a few years ago, when the "movie" houses were compelled to show extracts from a high official utterance asking for a partisan Congress.

In the first place, the patrons of the moving-picture houses pay their money for entertainment or legitimate instruction, or both. They do not pay to see advertisements, whether of a personal or political nature or of any other kind. A movie house which takes a patron's money and shows him advertisements of any kind is obtaining money under what many consider false pretenses.

The national danger is manifest. It so happens that in this case the favoritism is shown to a certain local politician.

With equal logic, it might be used for propaganda for revolutionary purposes. Indeed, it already is the announced intention of the Red Communists in this country to utilize the screen for dissemination of their propaganda for the overthrow of the Government by violence and bloodshed. Furthermore, more than one motion-picture actor and actress of headline fame is known to be a financial contributor to the Red cause. Organized labor proposes to use the screen for its propaganda. What a howl would arise should the so-called "interests" or "Wall Street" be given the privilege of the screen through the happening that the moving-picture magnates had profited prodigiously through operations "on the market" on tips from so-called Wall Street manipulators!

No present-day agency, not even the radio, can be made of greater power for individual and mass good or evil than the motion-picture screen. On the whole, its influence sometimes, but not always, has been for good. It provides mental relaxation and entertainment for millions of persons nightly at a moderate cost; its "travel scenes" are instructive, but it has created a craze for emotionalism which has vast power for evil. It takes millions of immature children away from home in the evenings and stimulates an endless desire to be everlastingly on the move.

To permit the prostitution of this public-service agency to personal, political, factional, labor, communistic or any similar interests would be a national disgrace. The Federal Government has the same control over this industry that it has over many other public activities—at least, indirectly, as indicated in the law prohibiting interstate transportation of prize-fight films. The MANUFACTURERS RECORD is opposed to Government intrusion in any line in which it may be avoided without suffering for the people's welfare, but it does submit that the prostitution of the motion-picture screen to any selfish interest whatever is a national menace.

PLAYING FOR SUCKERS.

A SOUTH-AMERICAN reader of the MANUFACTURERS RECORD sends us a copy of a circular-letter received by him from President O'Leary of the United States Chamber of Commerce. The comment of our South American friend is as follows:

"I recall once writing for you an article in which I stated that I knew a man who lived in Newark, N. J., who had made a lot of money organizing 'societies.' The foregoing letter explains itself. As an institution, the United States Chamber of Commerce has its legitimate scope and functions, and it is a splendid institution as such, but why in the merry blue blazes and the Wives of Windsor do these otherwise serious serious people go into the magazine business? Is there no spirit in the United States greater than that of making money?"

The circular-letter which this gentleman sends to us is printed on the letterhead of the Chamber of Commerce of the United States of America, is signed by John W. O'Leary, president, and reads as follows:

"I am privileged, on behalf of the United States Chamber of Commerce, to invite your attention to its official publication, 'Nation's Business.'

"'Nation's Business' is published by the Chamber to provide men in industry and the professions in the United States with authoritative information, readably presented, upon new developments in business and government.

"We feel at this time that business and professional men in other countries may wish to receive the publication, to get from it a comprehensive, authentic and, above all, a timely knowledge (in advance, whenever possible) of the great economic changes occurring in United States business and government.

"I have, therefore, been authorized to increase the number of such men to whom we send the 'Nation's Business.'

"The publication is in the form of an attractively printed and illustrated monthly magazine of 100 pages, written in non-technical style, as from one business man to another—

which, in fact, it is, since most of the articles are messages from such American business men as Bedford, Baruch, Dollar, Edison, Ford, Filene, Hoover, Harriman, Mellon and Vaclain.

"The folder enclosed will give you an idea of the magazine.

"Term enrollments to the 'Nation's Business' are being sought exclusively from among executives and professional men at a charge, fixed by the board of directors, of \$7.50 for the three-year term enrollment, to start as soon as we hear from you. There will be NO EXTRA CHARGE FOR FOREIGN POSTAGE.

"You are invited to send in the enclosed card, which enrolls you and brings you the current number by return mail. It further brings you a reprinted set of 12 economic chapters of the Nation's Business series, by George E. Roberts, vice-president, National City Bank, New York, business man, economist, famous for his common sense and clear writing."

If President O'Leary is worthy of the position which he holds as president of the United States Chamber of Commerce, he must, we think, feel rather humiliated that the Chamber of Commerce should send out over his name a letter of this character.

"I am privileged," says Mr. O'Leary. How interestingly put that is! And he has "therefore been authorized to increase the number of such men to whom we send the 'Nation's Business.'" By whom was he authorized? Was it by official action of the board or the Chamber of Commerce as a whole? And, if he was authorized to increase the number of men privileged to receive the "Nation's Business," why did he with such a flamboyant introduction ask the gentlemen to whom the letter was sent to let him have a check for \$7.50 for the three-year-term enrollment?

Strictly business publications, in asking for subscriptions, do not have to announce that "they are privileged" to invite subscriptions and "they have been authorized to increase the number of such men," etc. That is a piece of crude asininity which catches "suckers" but not thoughtful men. It is beneath what should be the dignity of the Chamber of Commerce of the United States and the dignity of the president of that organization.

A MISLEADING STATEMENT.

IT was recently announced in the local and editorial columns of Tampa newspapers that Lloyds had issued an insurance policy on the profits to be made in the purchase of lots in a subdivision near Tampa, based on 50 per cent profit within five years. The MANUFACTURERS RECORD is informed that these statements were misleading, and that the company referred to as Lloyds was not the great English Lloyds but a concern operating in the West.

A Suggestion for Helping to House Florida People.

The housing situation in Florida, as it now obtains and as it promises to develop in difficulty this winter, has brought a proposal of at least partial solution from one who has lived in the state and is familiar with its conditions of living—Irrving S. Sayford, at present a resident of Norristown, Pennsylvania.

Mr. Sayford proposes to manufacture, for sale in quantity lots, a special type of frame and canvas house which he built and used for himself and family some years ago on the southern California coast. This is his description of the house:

"A tongue-and-groove platform 25 feet by 26 feet, resting on foundation piers at an elevation of two to three feet above ground. In the center of this platform, or floor, a frame and canvas house 14 feet wide by 16 feet deep, having four doors, six windows, gable ventilators, the whole made weatherproof and absolutely insectproof by a simple, specially designed device which locks the canvas into the floor and door casings. The doors and windows are of copper screen.

"Draw-curtains are so arranged as to divide the house

into four sleeping rooms at night, giving privacy and space for four single beds ordinarily and six 'at a pinch.'

"Over house and platform extends a weatherproof canvas fly as roof, protecting and shading the house and its front, back and side porches, which are roomy.

"The porches are equipped with a curtained compartment for showerbath and a similar compartment for chemical-style toilet, the latter installed with the house if desired.

"The entire structure is portable and can be erected or taken down by the owner, for reshipment and re-erection, without employment of a carpenter. The structure is put together without nails or screws, and the special locking device does away with any tacking or nailing down of the canvas. Both house and fly-roof are designed not only to keep out wet weather but to stand firm against high winds. A small oil heater, it was found, quickly warmed the house on cool days—a consideration not to be undervalued in northern Florida.

"Seminole Bungalow' is the (protected) name that has been chosen for this type of sub-tropical all-the-year dwelling.

"Striped canvas in selected colors is used for the house walls and roof, and olive-drab or khaki canvas for the fly-roof. It makes an attractive and handsome combination. The durability runs into years."

Chattanooga Wants the Next Annual Meeting of the National Association of Manufacturers.

Chamber of Commerce.

Chattanooga, October 2.

Editor Manufacturers Record:

I was very much interested in your editorial in the last issue of the MANUFACTURERS RECORD in which you recommend that next year's meeting of the National Association of Manufacturers be held in the South.

I have had this up with various officials of the National Association of Manufacturers, inviting them to hold their next session in Chattanooga. This city is recognized as one of the leading industrial cities of the South. It can be very easily reached from any direction, as it has nine railroads running in as many directions; in fact, some of the largest industrial centers of the country are only a night's ride from this city. We are also very conveniently located to all the Southern cities, and we believe that, owing to our points of scenic and historic interest, as well as our industrial development, this city would be a popular place in which to hold their meeting.

Another thing, Tennessee is the home state of President Edgerton, and we are sure that he would be delighted indeed to have the meeting in Chattanooga, as he has many warm personal friends and admirers in this city.

We are erecting a new ten-story hotel which will have 478 rooms, and believe that this will give us ample downtown hotel facilities. We have a fine resort hotel on Signal Mountain where the members could play golf 2200 feet above sea level if they desired.

Our new Soldiers and Sailors' Memorial Auditorium has a seating capacity of 5500, with numerous separate rooms for committee purposes and a large exhibit hall for exhibit purposes should it be needed. In fact, there is no auditorium in the country more conveniently arranged for handling conventions than our own.

We could show them a proposed hydro-electric development along the Tennessee River, which alone would be worth their coming to this city to look into, as Government engineers have estimated that seventy-two dams can be erected along this river and its tributaries, which would create from three to four million hydro-electric horsepower and, by the proper handling of these pools created by these dams, give the Tennessee River a nine-foot stage for navigation the year round from Chattanooga to Paducah, where it empties into the Ohio.

I sincerely trust that you will continue your argument for this convention to come to the South, as there is no question but what it would build up a fine sentiment to have it there; and as before stated, we know of no city in the South which is more deserving of this recognition from the National Manufacturers than Chattanooga.

H. W. LONGGLEY, Secretary-Manager.

Let Us Apply the Golden Rule in Dealing With the Allies.

In discussing the debts of the Allies to the United States the Wall Street Journal takes what we believe to be an absolutely erroneous position. On that subject it says:

"There is no need here to deal with sentimental people who propose the cancelling of all these debts. That utterly immoral proposition would mean that in the future every unscrupulous politician, facing a domestic difficulty of his own creation, would plunge into war, exactly as Seward proposed to plunge the United States into war with Great Britain in order to avoid the conflict with the South. The belief that other people pay the bill would not only mean that every dispute would be put to the arbitrament of arms but that causes of war would actually be invented."

The Wall Street Journal entirely overlooks the essential facts in the case. Those who believe that it would be wise to cancel the debts of the Allies to the United States do so strictly on the ground that these Allies, in the fight to save themselves, saved us from destruction by Germany. The chief service which we could at the time render in defending ourselves against Germany was to help the Allies financially. We were in no position to put a single soldier on the battlefield. The Allies, therefore, while saving themselves saved the United States, and all attempts to disprove this, using the words of the Wall Street Journal, from another standpoint are "immoral," for any effort of that character is a distinct lowering of the honor of this country.

Even if the Allies did not need any financial help at the present time, even if they were able to pay, the MANUFACTURERS RECORD would still hold to the position that they do not really owe this money, unless we put as an offset against it all that we owe them, and the balance we think would not be in favor of the United States.

We have never found it immoral for a nation to maintain its own honor and to do justice to other people. The suggestion that a cancelling of these debts would be provocative of wars is, in our opinion, without the shade of a shadow of foundation. It is hardly likely that ever again will there be a condition exactly like that we faced in 1917. Did the Allies render us a service equal to the amount that we loaned to them in enabling them to carry on that service? Our action in cancelling the debts should not be considered from the viewpoint of what effect it would have on them. An old saying, well worthy of consideration, is: "Do your duty and leave the consequences to God." There is another motto well worth consideration in international as well as in individual actions, and that is, as proclaimed by Him who spake as never man spake: "Do unto others as you would they should do unto you."

There are, of course, some arguments against cancelling these debts, but without exception the weakest we have ever seen is the one advanced by the Wall Street Journal. On the other hand, we give, on this page and on the pages which follow, the views of some of our readers, which are worthy of careful study.

"America Had the Most at Stake and Suffered the Least," Says This Business Man Who Advocates Cancelling the Debts.

American Sash & Door Co.

Kansas City, Mo., October 2.

Editor Manufacturers Record:

Reference to the editorial appearing in the MANUFACTURERS RECORD of recent issue under the caption "Do We Owe the Allies More Than They Owe Us?" My answer is, legally, no; morally, yes. To my mind, of the many fine editorials appearing in the MANUFACTURERS RECORD, this is the best. It reads like the Holy Writ.

I have maintained from the start that this debt should be cancelled, and at that we would not fully discharge our obligation to the Allies, because every man should know perfectly well that for two years, in the face of insult and injury, we were told to be neutral. Meanwhile the Allies poured out blood and treasure to prevent a condition that would have made vassals of us all. You have stated the facts, and you might have added that in all probability, had we cancelled the Allied debt as was our duty, economic conditions in Europe would have been promptly adjusted, industrial activity resumed and international trade revived throughout the world, from which America would have gained more in the past five years than she will collect from the Allies in the next century.

I cannot help but feel that our statesmen having to do with the settlement are governed by what they believe the people want, while a frank statement of the facts and recognition of our plain duty would result in the cancellation of this indebtedness, meeting with the approval of all except those who for various reasons were against some of the Allies during the war and are still against them. Whether with the individual, corporation or nation, ability to pay must be considered in arriving at a settlement. This rule was followed in the German settlement, and surely those countries devastated and ravished by Germany are entitled to the same consideration, and for any country to contract obligations which they might later be unable to pay would subject such countries to the charge of repudiation. This constitutes the only justification that any of the Allies have for a scaling down of their obligation.

However, even though the countries which stood the brunt of the struggle that saved America were able and willing to pay the last dollar, America had the most at stake and suffered the least, as compared with others, and should not demand settlement for obligations contracted for under stress.

If this indebtedness, which was contracted not for the purpose of saving Europe but to save America, is not our obligation, what becomes of the high morality we have been preaching, and I am pleased to say have displayed, on numerous occasions, such as refusing indemnity offered by China as the result of the Boxer Uprising.

Regardless of the outcome of present negotiations looking to a settlement with France, I believe America's best interests will be served by the cancellation of all of this indebtedness, or at least a material scaling down so as not to be burdensome to those countries which made such tremendous sacrifice that resulted in saving America as well as Europe.

I feel that the influence of the MANUFACTURERS RECORD will go a long way in helping to mold public sentiment in the matter.

F. J. Moss, President.

Former Judge Alfred S. Niles' Ringing Commendation of the Manufacturers Record's Position on Foreign Debts.

Baltimore, Md., October 1.

Editor Manufacturers Record:

The editorial in your issue of September 24, entitled "Do We Not Owe The Allies More Than They Owe Us?" mentions such striking facts, and draws from them such reasonable and just inferences, that I feel impelled to write to you a word of most hearty approval of your position.

No one can read the article and have any doubt of the truth of these propositions, viz.:

The effect of the World War upon the United States was to increase our exports over what they would have been had there been no war by the enormous amount of something like thirty-seven and a half billion of dollars.

For more than a year after we were at war with Germany we were protected from loss—or perhaps ruin—from Germany's military forces by the desperate struggle made by France and England, through which the German armies were kept fully occupied in Europe and the German navy prevented from crossing the Atlantic.

The money lent by us to our Allies was spent by them in buying from us the military and other supplies required in order that they might protect both themselves and us.

The first mentioned fact goes far to explain why as the result of the war we ceased to be a debtor, and became a creditor nation, wealthy and prosperous to an extent hitherto unknown in history, with about one-half of the gold of the world in our possession, while our Allies are impoverished and nearly bankrupt.

The second and third facts are such that I cannot see how a nation like ours can absolutely ignore them and still keep its self-respect.

When the question is asked, "Did they not hire the money?"—as if that were the final and only relevant fact—the three facts made so plain by your article are completely ignored. It does not seem possible that the American people—if they really appreciate the facts—can be so ungracious and unjust, even though they may have legal justification, as to regard nothing that is not "nominate in the bond." It would seem unnatural not to pay some regard to the different effect upon the financial situation of ourselves and of our Allies caused by the war which we prosecuted together. It would seem almost as a matter of course to consider the uses to which the money was put and the amounts retained in this country by our profiteering manufacturers and dealers in supplies.

I wish that every official who is now insisting upon payment, not only of the principal of the debt of our Allies to us but also of the interest at a rate greater than that at which we can borrow money, could be induced to read your article. I do not see how he can avoid, to the satisfaction of his own conscience, the conclusion that seems to follow from the facts to which you call attention.

ALFRED S. NILES.

If Germany Had Won "We Would Have Been in Hell for Some Years," Says This Writer.

Denison Mattress Factory.

Denison, Texas, September 29.

Editor Manufacturers Record:

In your article "Do We Not Owe the Allies More Than They Owe Us?" I think you hit the nail squarely on the head. Lots of people say America saved the Allies. The fact is, the Allies saved us. I do not say that Germany would have crushed us, but I do say, if the Allies had lost the war, we would have been really in hell for many years. So I fully agree with your view; we should not be a nation of blood-suckers. In my opinion, the very best thing the United States

could do would be to reduce the European debt loan—then we can be honest and so retain their good feeling toward us. So please keep your good work up. You deserve lots of credit.

S. N. MARSICO.

Is Opposed to Cancelling Debts.

Asheville, N. C., September 30.

Editor Manufacturers Record:

Regarding your article in the September 24 issue of the MANUFACTURERS RECORD on cancellation of the debt due us by the countries allied with us during the recent war:

Do you not, in your article, fail to put proper stress on the point that the war profits made in this country during the war were made by private interests, while cancellation of their debts would be made by the Government, or by the people of this country as a whole, who did not share in the war profits?

If any cancellation is to be made, shouldn't it be made by those who made the war profits mentioned by you?

Certainly I and millions of others like me made none of the above mentioned war profits, yet Governmental cancellation on the war debts would affect me and others similarly placed.

J. C. F. OKES.

[The statements made in this letter are, we think, fully answered on our cover page.—Editor MANUFACTURERS RECORD.]

Congressman Charles L. Abernethy Opposes Cancelling Debts.

Sixty-Eighth Congress,
House of Representatives.

Newbern, N. C., September 29.

Editor Manufacturers Record:

I received your pamphlet which you are mailing out, "Do We Not Owe the Allies More Than They Owe Us?" I think it is most unfortunate that you should send out a statement of this kind, particularly when we are undertaking to close up the war indebtedness owing us by France and other nations. I can't understand why you should take the position that you do, particularly a publication that has such a large influence as yours has. I am sorry to see you take this position.

CHARLES L. ABERNETHY.

Enthusiastically in Favor of Cancelling the Debts.

H. L. Davis & Co.

Chattanooga, Tenn., September 28.

Editor Manufacturers Record:

I hardly know how to express my appreciation of your article "Do We Not Owe the Allies More Than They Owe Us?" which appeared in last week's MANUFACTURERS RECORD. I have long wanted to give my views on that subject, and now comes your article, which expresses my ideas so much better than I could have done that I feel myself indebted to you. Among my friends and acquaintances I find the sentiments expressed in your splendid article to be almost unanimously approved.

O that every man and woman in this great republic could read that article and our grand democracy be saved from the appellation (and rightly) of a Shylock!

H. L. DAVIS.

Stands by the Allies.

Buffalo Lake, Minn., September 26.

Editor Manufacturers Record:

I like the way you see our debt situation to the nations that were our Allies.

We got rich supplying them while they were fighting. We

would have been in fine shape today if Germany had won. We would have had to pay Germany and her allies many times what we have coming from our Allies and several millions of lives and destruction of property besides. With the crew we had at the head of our ship we would have been helpless.

Never quit your stand against Germany.

I have been reading your letters on Prohibition. It will take years to stamp out opposition. But Prohibition has done wonders. I have drunk my share, but I have two boys growing up that I hope will never taste intoxicating liquor. I am sure there are many fathers who think the same.

J. E. PRATT, Contractor.

The Spirit of Portia.

By EMILY STONE WHITELEY, Baltimore.

Some of the nations that owe money to the United States are sending their representatives to this country to discuss the funding of their indebtedness. They acknowledge their engagements and wish to satisfy Uncle Sam with "all brief and plain convenience." What good fortune it would be if there should come also on one of the ferryboats plying the Atlantic a certain young and learned doctor of laws from Padua, who spoke once some words of vision concerning the settlement of a debt!

This youthful doctor would find here in Washington the same arguments current that held sway in Venice many years ago. We have here in this year of grace the same worship of the letter rather than the spirit, the same blind dependence on precedent.

The Duke had great sympathy with the debtor in that famous case, but he was bound hand and foot by prejudice and precedent. He was afraid the justice of the state would be impeached, as though it could possibly have been justice for the creditor to cut a pound of flesh from the debtor. Antonio's friends repeated moldy old reasons as though they were divine laws. They could not find a way of escape in the old parchments, so they accepted that there was no escape and wrung their hands in despair. No one could help the unfortunate merchant. He must bare his bosom to the knife, that all the world might know that debts must be paid. It was true that Antonio had had losses, and that the forfeit would cost his life. That made no difference; he must pay the penalty. When Shylock said, "I stand here on my bond," they all fell silent before him. He had a contract, and a contract was sacred. Some recommendation of humanity was offered, but such considerations were impertinent unless expressed in the agreement. The forfeit was something which apparently the creditor could not use. "What's that good for?" A contemptuous defiance was the only answer. The creditor was lord of all. Armed with his bond he could defy the world, reject any plea of kindness, refuse haughtily to give his reasons, and declare he would use the flesh, which was to cost a man's life, "to bait fish withal" if he chose.

The same ancient reasons and arguments are lording it over us today. If the foreign engagements are not kept to the penny, all international credit will be weakened, "it will be recorded for a precedent." There are those among us who seem to believe that a contract is more holy than any law of God or Nature, and a money debt the most sacred of human obligations. It must be paid even if it endangers the life. That the debtor has been unfortunate is an immoral plea, and would only be advanced by a dishonorable person, and so on.

This young and learned doctor would also see among us many of the same men that met on the Rialto or paced with stately step the marble palaces by the Adriatic; fine semblances of men, like "the Duke himself and the Magnificoes of greatest port; figures with empty heads and empty hearts." They would like to help the noble debtors, but they are silenced by ancient catchwords. They have forgotten how to think for themselves. Among the debtors there stands, perhaps, Bassanio, the chivalrous extravagant gentleman,

and the haughty Antonio, the soul of honor. Then there is the scoffer who rubs salt in every wound, and the helpless gaping crowd. The illustrious stranger would find them all here except one. There is no Shylock.

The creditor in this case bears no likeness to Shylock. Uncle Sam is young and strong and not "uncapable of pity." There is no analogy between him and poor, bitter, revengeful Shylock, bowed down with a thousand racial and personal wrongs, schooled in injuries and striving to "better the instruction."

But Uncle Sam must look to it that some of his children do not push him into the role of a cruel money-lender. Already they are putting into his mouth many of Shylock's words. Founding their claim on the terms of the agreement and not on the justice of the compact, they say, "I stand here for law." They coldly inform the debtor, "I'll have my bond, and therefore speak no more," or "I am not bound to please thee with my answer." They urge that Uncle Sam should not let himself be imposed upon and

"* * * he made a soft and dull-eyed fool.
To shake the head, relent, and sigh, and yield."

At some suggestion of humanity they would have him say, "Is it so nominated in the bond?" and consider that a sufficient answer. When the economists point out that we can make no use of this enormous sum of money, this costly pound of flesh, they reply cynically, "It is my humour—Are you answer'd?"

Many ships have gone to the bottom of the sea, "enough to press a royal merchant down," many lives have been lost since the money was lent. The fulfilment of the engagements would take the life-blood of the debtors. One of them, in whom "the ancient Roman honour more appears than any," has already cut to the bone.

The debtor nations "confess the bond."
"Then must the Jew be merciful."
"On what compulsion must I, tell me that."

To this have we come. These defiant words have been on our lips. Pride and ignorance are pushing Uncle Sam far into this most unnatural role.

At this point in the proceedings in Venice a wonderful thing happened. The learned stranger from Padua spoke. At once it seemed as though some one had flung open a window. The warm sun shone in the cold hall of justice, and a fresh breeze of common sense blew in and lifted the dust from the old law books. The strong light of day fell on all: the money-lender whetting his knife, the noble merchant, the stupid crowd, the Duke and the Magnificoes who seemed to have been sitting there hundreds of years, nodding their heads and saying the same words over and over.

We stand today in the great court of the world, confronting our European debtors, and the moment has come to let sweetness and light into the dreary discussion.

There is no cousinship on the surface or under the skin between Uncle Sam and Shylock, but yet our good uncle sorely needs some one to talk to him as Portia talked to the Jew.

We need the spirit of Portia to persuade us "to mitigate the justice" of our plea, to disarm our pride and shame our cupidity. Portia was not sentimental. Her appeal was rea-

sonable, and her description of the twofold quality of mercy, which blesses him that gives and him that takes, has the merit of being the simple truth.

That wise young doctor's theme was not the sanctity of contracts but the sanctity of mercy, and the precedent he invoked was the gracious precedent of the heavenly rain which falls upon the just and the unjust. We want a generous advocate who will brush aside the worn-out formulas and boldly take this discussion onto a higher plane.

It is true that the words which Portia spoke before the court in Venice fell upon stony ground: "My deeds be on my head. I crave the law," but here her words would be wel-

come. Shylock was pursuing an enemy and could "with better face exact the penalties." Uncle Sam lent to help a friend's necessity and with no desire for gain, for

"When did friendship
Take a breed of barren metal from a friend?"

Uncle Sam would be glad, he would be eternally grateful, if some one would show him, before it is too late, the dignity, the common sense, the richness of mercy.

We need the spirit of Portia.

[It may truly be said that Uncle Sam lent to save himself, because he was not ready to furnish a million soldiers. His money fought for him while he had no soldiers to do the fighting.—Editor MANUFACTURERS RECORD.]

\$10,000,000 Port Development Program at Mobile Making Steady Progress.

In outlining to the MANUFACTURERS RECORD the work of the Alabama State Docks Commission in connection with the port-improvement program at Mobile, which necessitates the dredging of approximately 10,000,000 cubic yards of earth, the rearrangement of railway tracks and the construction of new sidings and a terminal line five miles long, the building of a steel and concrete bridge, the erection of reinforced concrete piers, together with incidental work, to involve the ultimate expenditure of \$10,000,000, J. L. Cummings, principal assistant engineer, writes as follows:

"The Commission has to this date bought and paid for approximately 550 acres of land to be used as a site for the terminal. This land is at an elevation of two feet above



BALTIMORE BUILT DREDGE ON MOBILE PORT IMPROVEMENT WORK.

mean low tide and must be filled seven feet to bring the area above storm tide. This necessitates the dredging of approximately 10,000,000 yards of earth, and the Commission bought a new 20-inch pipe-line dredge from the Ellicott Machine Corporation of Baltimore, Md., for this purpose. This dredge was delivered in Mobile on May 25 and has been running constantly on 24-hour shifts since that date.

"In the development of this project it has been necessary to shift the main line of the Louisville & Nashville Railroad westward 1500 feet in order that the piers and railroad yards could be developed on the river front. The new alignment of the Louisville & Nashville required the construction of two miles of line through the marshes. Sand has been pumped from the river and the fill completed for four-fifths of the way. Track has also been laid on the completed fill.

"A new bridge was necessary across Three-Mile Creek, and the piers for this have also been completed at a cost of about \$75,000. The steel work for this bridge should be delivered and completed by December 15.

"During the last year the Commission has constructed a terminal railway, five miles in length, leading from the docks site out through the northern section of the city in order to

facilitate the physical connections of other railways with the docks and forever to leave open a gateway for the subsequent connections of other rail lines which may enter the city. Locating a joint interchange yard on the Docks Commission's property, and the establishment of interchange between all carriers in Mobile and the docks, will enable such new lines entering the port to have a direct physical connection with all carriers operating into the port, as well as with the docks.

"Numerous rearrangements of tracks, buildings and manufacturing industries have been necessary in order to clear the right of way for the Louisville & Nashville Railroad. All of this has or will be accomplished by November 10.

"The forces of the Commission are now concentrating upon the preparation of the site of Pier No. 2 so that the location may be viewed by prospective contractors after October 15. Sand is being pumped over this location to a depth of from three to five feet in order to make it a dry job, after which the Commission's dredge Alabama will move into Three-Mile Creek, cut a new channel under the newly completed bridge and thence move into the One-Mile Creek Diversion Canal, which will be a channel 150 feet wide with 22 feet of water, designed primarily as a water highway through the Commission's back property to promote the development of industries interested in export and import trade and requiring water, rail and highway connections with the docks.

"The Commission hopes to advertise for bids on October 15 for a period of 60 days on the construction of the reinforced concrete apron for Pier No. 2, which will approximate \$1,000,000 in cost. Other contracts will follow as quickly as it is possible to make the site ready for construction."

\$400,000,000 Merger of Baking Companies.

Plans are reported to have been completed for the merger of three large baking companies in New York, involving assets estimated at approximately \$400,000,000. The companies include the Ward Baking Co., General Baking Co. and the Continental Baking Co., which are said to operate more than 150 plants in all sections of the United States. It is understood that the consolidated company will incorporate as the General Baking Corporation with a capital stock of 10,000,000 shares of no par value. William B. Ward of the Ward Baking Co., New York, is accredited with the leading part in the merger. Certificate of incorporation has been filed with the State Tax Commissioner, Baltimore.

\$1,200,000 Amusement Project at Port Tampa.

The Tampete Corporation of Tampa, Fla., William D. Simmons, president, wires the MANUFACTURERS RECORD that it will establish an amusement park at Port Tampa between Tampa and St. Petersburg on a tract of 67 acres of waterfront land. Modern equipment will be installed, including amusement devices, swimming pool and dancing pavilion, the structure to be of the Miller dome roof type. The John A. Miller Co. of Tampa is the designer and builder.

Reports state that the project will cost about \$1,200,000.

American Electrochemical Society Visits Chattanooga and Muscle Shoals.

FORTY-EIGHTH SEMI-ANNUAL MEETING BRINGS CHEMISTS AND ENGINEERS FROM MANY STATES AND MANY INDUSTRIES TO THE HEART OF THE INDUSTRIAL SOUTH.

By RICHARD WOODS EDMONDS.

Chattanooga, Tenn., September 28.

The forty-eighth semi-annual meeting of the American Electrochemical Society got under way on the morning of September 24 at the Signal Mountain Hotel, forty minutes' ride up the mountainside from Chattanooga. The morning session was devoted to a symposium on fertilizer, and particularly to the problems of the fixation of atmospheric nitrogen. A number of papers were read and discussed.

"The Nitrogen Problem," by Charles O. Brown, consulting chemical engineer of the Nitrogen Engineering Corporation of New York city, aroused considerable discussion and criticism. Said Mr. Brown: "The present technique of the fertilizer manufacturer is sufficiently backward so that, unless radically changed, the industry is doomed. Unfortunately, the chemist and engineer have no real standing before the fertilizer interests. The power and control in the fertilizer business have yet to become acquainted with the chemical engineer to the point where they accept his policies to their full value."

The foregoing statement was both attacked and defended, one of those present stating that he was a member of the chemical force of a certain fertilizer company, and that he believed that company had a research department no company need be ashamed of, and that its opinions were respected. Other members, both in the meeting and outside, expressed the opinion that Mr. Brown was correct in saying that the fertilizer interests are yet to become acquainted with the value of the chemist in research work, fully corroborating the statement made to your correspondent recently by a high executive in one of the greatest chemical corporations in the United States, to the effect that the fertilizer people have no conception of the importance of research or of the magnitude and expense of adequate research campaigns.

While this was a side issue of the meeting and received comparatively little of the attention of the members, yet in its significance for the fertilizer industry and for the country it was of outstanding importance. It has been said in high quarters that there is nobody in the United States who really knows much about fertilizers. It is high time we were learning.

Another important subject taken up by the symposium was the preparation and use of concentrated fertilizers, the paper on this topic being presented by William H. Ross of the Bureau of Soils, Washington, D. C. Mr. Ross said:

"The conception of 'concentrated fertilizers' originated at the United States Bureau of Soils. Their preparation and properties are being investigated, as they give promise (1) of providing a means of saving on freight, (2) of conserving organic ammoniates, (3) of affording the most economical means of utilizing volatilized phosphoric acid and the fixed nitrogen products. The most concentrated fertilizers are made from mixtures of ammonium phosphate, potassium phosphate and potassium nitrate. Field tests with various concentrated fertilizers are now being made in different parts of the country by the United States Department of Agriculture. The concentrated fertilizer materials—ammonia, urea, nitric acid and phosphoric acid—are products or by-products of the electrochemical industries."

The fact was brought out that many optimistic persons have caught too quickly at the idea that concentrated fertilizers

can be made and applied without particular difficulty, and great savings effected in freight, without much further delay. If concentrated fertilizers can be successfully used by the farmers, great savings in transportation charges can be effected, for at present several tons of valueless dirt are hauled for every ton of plant food. But the difficulties lie not in the manufacture but in the application. The farmer, as one member remarked, still buys his fertilizer chiefly by smell—when not by the feel of it in his fingers. Considerable difficulty was forecast in teaching the farmer to buy the expensive, concentrated fertilizers and then mixing them on his farm with sand or clay before applying. A long, slow process of education on the farm is anticipated, and one member, Dr. Reese, suggested that it might even be necessary to completely revolutionize the fertilizer industry and establish many small mixing plants all over the country to handle the concentrated fertilizers and mix them for the farmers. In view of the fact that one of the offers for Muscle Shoals now before the public, and shortly to come before Congress, depends upon a plan to manufacture concentrated fertilizers and thereby save freight for the farmers, this subject is timely.

Other interesting papers of the morning session were:

"Some Phenomena in the Electric Arc Process of Nitrogen Fixation," in which S. Karrer of the Fixed Nitrogen Research Laboratory in Washington explained with the aid of diagrams some of the reactions that take place within the molecules under various conditions of excitation, a subject highly technical, and one by Dr. J. M. Braham, also of the Fixed Nitrogen Research Laboratory.

R. O. E. Davis of the Bureau of Soils of the United States Department of Agriculture presented a paper on "The Development of Fertilizer Practice," in which he pointed out that while we produce only about 10 per cent of the potash we consume, and import the balance from Germany and France, the prospects for an increased home production look good. In the waste products of the blast furnaces and the cement plants we have found sources of potash ample to supply our needs, and he thinks it is only a matter of time until the problems connected with the utilization of these sources have all been solved and our farmers made independent of foreign sources.

Mr. Davis thinks the fertilizer industry is making rapid progress from the old fashion of cut-and-dry methods to the new fashion of complete chemicalization. He sees great possibilities in the manufacture and use of concentrated fertilizers, a step which would accomplish three highly desirable objects: first, a reduction in freight rates, with consequent economy to all users and to the whole nation in its food bill; second, independence of foreign markets; and third, a great aid to the extension of the use of fertilizers to the West and Northwest, where they are little used at present.

During the afternoon session papers on a variety of subjects were presented, the majority having to do with the electrolytic treatment of metals in alloys and plating solutions, and all of a much more technical than general interest. The papers were: "Electrodeposition of Copper-Nickel Alloys," by H. D. Hineline and W. B. Cooley; "The Protective Value of Nickel Plating," by C. T. Thomas and W. Blum; "An Electrical Method for Estimating the Corrosion of Iron and Steel," by H. Beeny; "The Disintegration of Carbon Anodes in Aque-

ous Solutions of Nitric Acid," by H. J. M. Creighton and Warren H. Ogden; "The Effects of Nitrates on Current Efficiency of Plating Solutions," by P. A. Nichols and O. P. Watts; "Notes on the Plating of Chromium on Steel," by George M. Enos; and "Static Potentials of Copper in Solutions of Copper Cyanide and in Potassium Cyanide, and of Zinc in Solutions of Zinc Cyanide and Sodium Cyanide."

In the evening Major H. C. Fiske read a paper, illustrated by lantern slides, on the hydraulic developments of the Tennessee River Valley, covering both hydro-electric and navigation possibilities. The high spots of Major Fiske's paper were: The drainage basin covering an area of approximately 40,000 square miles, in the heart of the Southeastern industrial district, and capable of reaching nearly every point of that district by lines not more than 250 miles in length, from one of the numerous power sites on the Tennessee River system; the fact that the power sites already surveyed by the commission now at work on the survey of the river show a possible horsepower of 2,500,000, which, together with the steam power that good practice requires be coupled with the hydraulic power, will give an installed horsepower in the Tennessee Valley of 3,000,000, and the fact that already private industry has applied to the Federal Government for the privilege of developing all but one of the 13 power sites already surveyed. Other important and interesting points discussed by Major Fiske were the development of navigation, proximity of cities along the Tennessee to the Gulf as contrasted with cities on other rivers, and the prevention of flood in rainy seasons and of the conservation for use in dry seasons of the flood waters of the entire Tennessee basin, thereby eliminating or greatly reducing secondary power by converting all, or nearly all, of it into primary power, and the consequent great increase in the primary, or year-round power.

On Friday morning the technical session was continued. At lunch the members were the guests of the Chattanooga Golf and Country Club, and after lunch they spent the afternoon visiting some of the important industrial and historical points of the city.

One of the features of the meeting was the trip to the great dam and power house at Muscle Shoals on Saturday. Arriving in Sheffield, Ala., early Saturday morning, the visitors were entertained at breakfast in the Chamber of Commerce Building, entraining immediately after for the Shoals. The morning was spent in going over the immense power house, which is a quarter of a mile long, but is dwarfed by the dam, the switch house and the dam itself. Crossing the dam on foot to the Florence side of the river, they were met by a fleet of cars provided by the hosts, and carried to the barbecue in the grounds of the State Normal School at Florence. After the meal under the trees, the guests seated themselves in an open-air amphitheater to listen to a number of talks of welcome and to a brief history of the development of navigation and power projects on the Tennessee River from the earliest attempts to the present time. They were told that Mr. Ford's offer for the power plant and the nitrate plants came as the result of an invitation issued to him by the people of the river basin to make an offer, and they learned that the people of this section still devoutly believe Ford should have the Shoals.

Following the talks, the hosts of the society took them to the nitrate plants they had heard so much about, and these were visited and explained in detail, after which most of the members visited the famous Gorgas steam plant, which is now in full operation on lease by the Alabama Power Company.

It was evident that the sights of the day had made a profound impression on most of the visitors, who had formerly had little conception of the magnitude of the plant. Many discussions were carried on as to the best use of the plant, and among those members most familiar with the nitrate in-

dustry and the situation in connection therewith today the opinion seemed to be almost unanimous that the sensible thing to do would be to sell the power to whomever would use it, just as the power of other hydro-electric plants is sold. "Why force the power arbitrarily into some one line of manufacture," it was asked, "when that may not be the best use for it? Why not let those industries in which power is the largest factor take advantage of the opportunity, thereby making the most economical use of it? Fertilizer manufacture doesn't require any great amount of power."

As for the manufacture of cyanamid for fertilizer, that was accepted without question as wholly impractical.

The people of the tri-cities—Florence, Sheffield and Tusculumbia—were alert to the advantages to be gained by telling their guests of the great mineral riches of their section, and on the whole have no cause for disappointment with the impression created. Many animated discussions were held in hotel lobby and Pullman smokers on the cars waiting to carry some of the members out at 11.55 Saturday night over these same mineral resources. Some of the members could not believe the resources were as great as they had been represented. Others, more familiar with the locality, assured them that they had not been exaggerated. Most of them took exception to the picturesque style in which the folders and various lists of the section's resources were described, as being calculated to excite distrust by their tenor. Possibly it would be better for the tri-cities if they would use fewer adjectives and more figures, for the wealth of the section, to people from other, less favored spots, seems too good to be true.

The meeting of the society, from start to finish, was an unalloyed success. All arrangements went through with remarkable smoothness. The hospitality of Chattanooga and of the tri-cities could not be surpassed, and the members in their conversations with each other were emphatic in their appreciation of the courtesies and efficient service they received. To Paul J. Kruesi of Chattanooga belongs great credit for the exceptional smoothness and excellence of arrangements from the arrival in Chattanooga to the departure from Sheffield on Saturday night; but without loyal, enthusiastic and efficient support Mr. Kruesi would have been powerless. The men and women who contributed to the pleasure and comfort of their guests may feel sure that their efforts are warmly appreciated.

Approves Project for Power from Tides.

Endorsement of the project for utilizing the tides of Passamaquoddy Bay, near the Bay of Fundy, in Maine, for the generation of electricity has been expressed by William S. Murray of Murray & Flood, engineers, who conducted the superpower survey for the Government in 1920. According to Mr. Murray, the project as initiated by Dexter P. Cooper would result in the formation of a huge electrical system covering New England and, perhaps, extending much farther. Horsepower up to 500,000 could be developed at Passamaquoddy Bay, he says, and the plant might be made the basis for a great distributing system which would sweep southwest through New England and be joined on the west by power lines from Niagara. Thus, he says, a great reservoir of power would be created which would serve this densely populated part of the country.

To Build 200 Homes in Washington Development.

Washington, D. C.—A total of 200 residences will be erected in Devonshire Downs, a new subdivision in this city according to plans of W. C. Miller and A. N. Miller, who are developing the property. The proposed structures will be semi-detached, of varying designs. A group of 10 has already been completed.

AUGUSTA ON THE MOVE.

New \$2,000,000 Hotel Announced—\$2,000,000 in Real Estate Transfers in Two Weeks— Other Big Hotels in Prospect.

Augusta, Ga., October 3—[Special.]—The golden future which has been predicted for Augusta is beginning to dawn. Within the past two weeks real estate trading has gone almost to the \$2,000,000-mark and the greatest development in the history of this section is forecast.

The announcement that a well-known Florida hotel operator was seriously considering the building of a great hotel here caused real estate to become very active, and the announcement that Benj. H. Marshall, famous architect and hotel builder of Chicago, was about ready to begin work on his \$10,000,000 resort hotel and winter colony across the Savannah River in North Augusta has caused Augusta values to begin to soar.

Exercising an option on 400 acres of land on Washington road, Commodore J. Perry Stoltz, owner of the Fleetwood Hotel at Miami Beach, Fla., states that he will build a hotel here to be known as the Fleetwood of Augusta, construction to begin about January 1. The structure will be similar to hotels he will erect at Hendersonville, N. C., and on Lookout Mountain near Chattanooga, and will cost approximately \$2,000,000. It will be 15 stories high, to contain 300 guest rooms, with dining room, kitchen and other facilities on the fourteenth floor and a radio broadcasting station and concert studio on the fifteenth. Bonds will be handled by the Adair Realty & Trust Co., Atlanta.

It is predicted that another new resort hotel with accommodations of from 800 to 1000 people will be ready by the first of January, 1927, and in the meantime the amount to be expended in construction work will run into many millions of dollars.

The hotel projects coming at a time when Augusta is raising a fund of \$100,000 to advertise the resources of this city and section means that a huge development is about to start here. The cheap and fertile farm lands about Augusta on both sides of the Savannah River will be sold to farmers who have remained hitherto in the bleak North and West and on high-priced farm lands because they did not know any better. When they are told about the South and this section of the South, a great influx is expected.

In addition, a connection has just been made by the Augusta-Aiken Railway & Electric Corporation with the superpower system of the South, bringing in practically unlimited quantities of hydro-electric power for new industries. The physical connection was made by the construction of a million-dollar power line from the main feed line of the Georgia Railway & Power Co. at Toccoa, Ga., with the plant of the Augusta-Aiken on the Savannah River 10 miles above Augusta. This entire section is to enjoy virtually unlimited power at very low rates. Under a Constitutional amendment passed last year new industries will have no taxes to pay for five years, either state, county or municipal.

The extension of the Georgia & Florida Railway to Greenwood, the rebuilding of the Charleston & Western Carolina Railway to Spartanburg, both projects involving around \$4,000,000, and the expending of \$1,750,000 in the next 18 months for paving all the roads of Richmond county (Augusta is the county-seat) completes a great program of construction and means an immense development in and around Augusta.

The editor of the Augusta Chronicle in predicting a vast development has shown in 10 reasons why Augusta real

estate is soaring and why in his opinion it will continue to advance. The reasons follow:

The finest climate.

In the heart of a great agricultural section, with cheap farm lands.

Paving of highways to county lines at a cost of \$1,500,000, and building bridge at Furey's Ferry.

To expend \$100,000 in advertising that will portray Augusta's advantages.

The Junior Chamber of Commerce backing up a senior chamber, and behind both a spirit of unity, enthusiasm, confidence.

A city and section where real estate has been very low priced and which is just coming into its own.

Connection with superpower hydro-electric system with cheap factory sites, and new industries exempted from taxation for five years.

Extension soon of Georgia & Florida Railway to Greenwood and rebuilding Charleston & Western Carolina Railway from Spartanburg to Augusta.

Strong probability of starting construction on two great resort hotels this year, one in Georgia and the other on the South Carolina side of the Savannah River.

A city where capital invested is safe from Red radicalism and a city where workers can rear their families with the best school and church advantages.

Cotton Crop Outlook on October 1, 1925.

Hicks & Williams, cotton brokers of New York, under date of October 2, say:

"Since our previous publication of average crop estimates by our correspondents, the bountiful outturn in the Mississippi Valley states is becoming evident, while rains in the drouth sections of the Carolinas and Georgia have stopped deterioration and added somewhat to their crops.

"The indicated yield now is:

	Bales
Virginia	47,000
North Carolina	1,120,000
South Carolina	860,000
Georgia	1,030,000
Florida	30,000
Alabama	1,020,000
Mississippi	1,470,000
Louisiana	709,000
Texas	3,780,000
Arkansas	1,350,000
Tennessee	420,000
Oklahoma	1,403,000
Missouri	255,000
California	110,000
Arizona	90,000
New Mexico	60,000
Others	15,000
Estimated Yield	13,760,000

"While the final outturn still depends on the date of killing frost, the trade has practically accepted 14,000,000 bales as a working figure and is adjusting itself accordingly.

"A leading Carolina spinner asserts that present prices are satisfactory to manufacturers even should the yield reach 15,000,000 bales. With print cloths selling at the best price in over a year, mills have enough business booked to keep them running full time at handsome profits. However, if raw cotton should advance above 25 cents, resistance would probably be offered and some curtailment result. Textile trade is easily the best since the deflation period, four years ago, and the hand-to-mouth policy, which prevailed for so long, is being changed to some extent. While retailers and consumers are still spare buyers, jobbers and wholesalers—faced by scarcity of cloths and yarns, as well as by the independent attitude of mills—have placed large forward orders, some well into the new year. They are thus carrying the load now, which mills were forced to bear during the past four trying and unprofitable years.

"Takings by foreign spinners promise to exceed last year's large figures, owing especially to excellent demand for goods from the Far East. Exports for first two months of the season are already nearly 200,000 bales ahead of last year, and unusually heavy sales for delivery up to the end of January insure continuance of large foreign movement. On this side, consumption for the past two months has been 150,000 bales more than a year ago."

\$3,000,000 in Building and Industrial Developments at Fort Smith, Ark.

By RAY GILL, Secretary, Fort Smith Chamber of Commerce.

The Fort Smith building program during the past 12 months has been substantial and diversified. The total of \$3,000,000 is just about normal and is equal to the records for several past years, with every promise of continuation during the next year.

Among the many items of industrial expansion by existing factories are improvements at the Athletic Smelter, \$150,000; Ward Furniture Company, McClinton Well Bucket plant, Acme Brick Company, Long-Bell Sash and Door Glazing plant, Mitchell & Mitchell Bed Spring factory, Fiber Furniture factory added to the Border Queen Kitchen Cabinet Company, rebuilding the Fort Smith Cotton Oil Company and the Choctaw Cotton Oil Company, fully \$300,000.

New industrial plants include the Fort Smith Cereal Company, Crane Candy Company, Hayes Wood Working plant, Teletone Radio Corporation, Standard Handle Company,

industries, of the garment factories and of a score of miscellaneous plants. Practically all industries have been working full time, with business ahead for several months. There has been a substantial increase in equipment, enlarged building and in the number of workers to keep pace, in so far as possible, with growing demands. The output of the furniture factories has been 10 cars a day of good quality wares, marketed throughout the nation.

Commercial construction includes two store buildings recently erected by Fred Browne, \$100,000; Sheridan building, \$150,000; Kelley Trust Company wholesale building, \$60,000; Smith Auto building, \$20,000; Evans Store building, \$25,000; Curtis Store buildings, \$40,000; C. N. Geren warehouse and office building, \$75,000; Johnston Investment Company store and office building, \$150,000. The last two mentioned are not completed. There has been an extensive remodeling program



VIEW OF GARRISON AVENUE, FORT SMITH.

Hattaway Chill Company, B. and D. Food Products Company, Fort Smith Sand & Gravel Co., Hammer Iron Works and Nelson Concrete Manufacturing Company, totaling \$250,000. New industries now being organized are veneer, chair, cooperage, flooring, sheet zinc, chicken hatchery, glass package ware and bottle plants.

The industrial situation has shown steady increase in the output of the furniture factories and other woodworking

which embraces the Merchants Bank building, the Kelley building, O. K. Warehouse building, one theater, four restaurants and 21 miscellaneous buildings to accommodate new and enlarged retail establishments, amounting to \$200,000. Thirty residences, with a value of more than \$100,000, are under construction or to start immediately. A \$40,000 church building is nearly ready for occupancy.

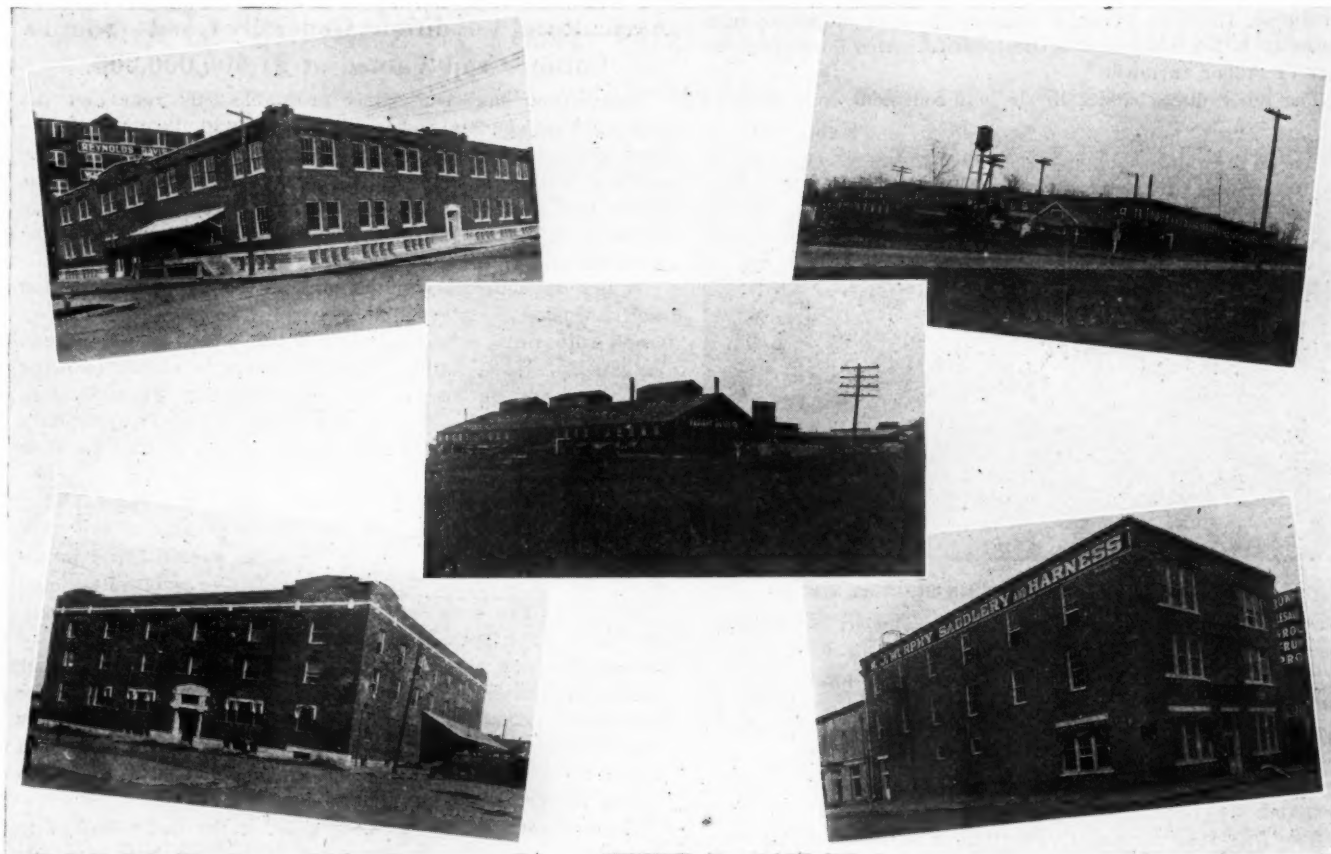
During the past four years there have been built annually



TYPICAL FARM SCENE NEAR THE CITY.



PLANTING SWEET POTATOES.



THREE NEWLY CONSTRUCTED WHOLESALE BUILDINGS, A FURNITURE PLANT AND A GLASS FACTORY.

500 modern cottages and bungalows, ranging in value from \$4000 to \$10,000, and a fair proportion of larger residences. The building of residences continues at about the same rate. There has been no shortage of housing, yet the steady population increase has kept pace with the rate of new buildings.

During the current year \$150,000 will be expended on extension of water mains and improvements on the municipal water plant as part of the \$1,000,000 betterment program. A city and county abattoir has been erected and placed in service, valued at \$40,000.

Highway construction projects now in progress adjacent to Fort Smith amount to \$500,000. The rapid progress of the highway program in both Arkansas and Oklahoma has been, and continues to be, a very important factor. By the time

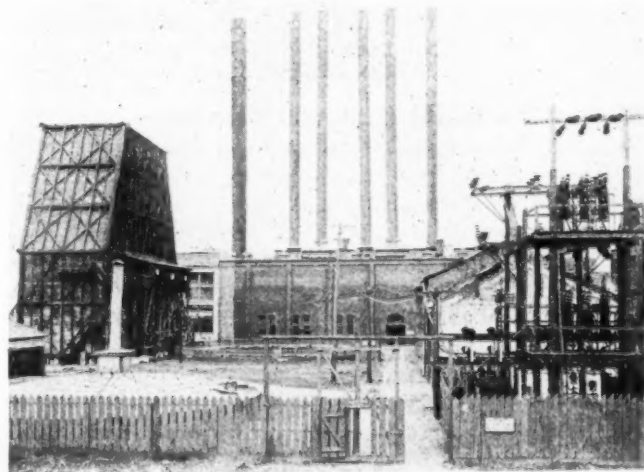
Smith can take the direct routing east and west, north and south. This has been made possible through the effective working of the state highway organizations, adopted in both states less than three years ago.

There have been no labor troubles in Fort Smith since the



RECENTLY CONSTRUCTED GROUP OF HOMES.

automobile tourist travel opens early next spring Fort Smith will be connected in every direction with good, serviceable, all-year-round highways. This means that thousands of tourists who have heretofore been detoured around Fort



CENTRAL ELECTRIC POWER PLANT.

war. Bids for all classes of construction may be secured from responsible contractors, both union and open shop. The mild climate and open winters enable building operations to continue throughout the year.

The labor supply available at Fort Smith is very elastic. Within a radius of 100 miles is a population of more than 1,000,000, the vast majority of whom are sturdy, native white citizens. Fort Smith has first call on the maturing youth from this vast domain for public and industrial employment. While this great supply of splendid workers is constantly

available, there is never a large surplus of unemployment actually in Fort Smith and the local factories have no problem of "labor turnover."

The labor disturbances in the mid-continent coal fields in



FIELD OF ACALA COTTON NEAR FORT SMITH.

Arkansas and Oklahoma, which surround Fort Smith, have been to a great extent nullified by the development of coal-stripping operations that are not in any way affected by the union-labor situation. Coal supply and prices, however, have no direct bearing on Fort Smith industries, on account of the supply of natural gas at low rates, available for all purposes, with a surplus equal to several times the present demand.

The following comparative statement of check transactions reported by the four Fort Smith banks reflects the steady development during the past five years. The "check transactions" include only debits to individual accounts and are given in round numbers for the first eight months of each year: For 1921, \$74,000,000; 1922, \$77,000,000; 1923, \$90,000,000; 1924, \$88,000,000; 1925, \$98,000,000.

The building program contemplated for the next few months has among its more important items two churches, a public school building, apartment buildings, warehouse, department-store building, hotel and three factory buildings, with a full quota of residential buildings.

To Build \$250,000 Structure.

Sarasota, Fla.—General contract has been awarded by Levy, Kaye & Levy, Inc., to Leadley Ogden of this city for the erection of a three-story building here to cost approximately \$250,000. There will be 14 stores on the first floor and a cafeteria with 5000 square feet of floor space, the latter to be laid out as a Venetian garden and attractively decorated. The upper floors will provide space for 60 offices. The building will follow the Italian Renaissance type of architecture, plans being prepared by Clare C. Hosmer of Sarasota. Financial arrangements have been made by Homer Howard of this city.

Alabama Power Company's 148-Mile Line.

Wetumpka, Ala.—A certificate of convenience and necessity has been granted the Alabama Power Co., Birmingham, by the Alabama Public Service Commission for the construction of its proposed transmission line from Lock 18 on the Coosa River, near Wetumpka, in Elmore county, to Cuba in Sumter county, a distance of approximately 135 miles, with distribution lines of approximately 13 miles. The latter will connect the towns of Cuba, York and Livingston with the proposed transmission line and a primary sub-station at or near Cuba and secondary sub-stations at each of the three towns. Cost of the project is estimated at \$1,500,000.

Agricultural Conditions Generally Good—South's Cotton Crop Valued at \$1,500,000,000.

Agriculture has been fairly profitable this year and the improved purchasing power of farmers will do much to uphold general economic well-being through the winter, is the opinion of the Department of Agriculture. The department points out, however, that while conservative judgment of the recovery of agriculture is warranted, farm prosperity can be as easily overrated as depression.

It is a splendid harvest, not bumper yields, but production well adjusted to reasonable needs. The two great money crops, cotton and wheat, are now along where some idea can be gained of their value. Cotton apparently stands to bring its producers an income of approximately \$1,500,000,000, which is about like last year, and wheat producers apparently stand to receive about \$1,000,000,000, which is also near or slightly below last year.

These two leading crops probably index the general crop income. Agricultural income will not be greatly in excess of last year, but the point is that this is the second fairly profitable year. The season will go a long way to level up regional conditions. The corn belt, along with the dairy and diversified East, have been slow to feel the stimulating current of revival, but now the rising prices of hogs and cattle, together with a reasonably good corn crop, mean some profit in the corn belt. The slowly strengthening prices for dairy products plus higher potatoes and minor cash crops promise somewhat better income for the East. The whole agricultural map thus slowly emerges from economic shadow.

General conditions are fairly good in the South except in drouth areas. The cotton crop is spotted but generally fairly good. Picking is well along and ginning has been heavy. Feed crops have been shortened by dry weather.

The range country has the cattle and sheep movement to market well along. Stock is moving down from the high range to winter pastures. There is a heavy demand for ewes. Some cattlemen are stocking up where resources are favorable, and the whole region is improving in tone.

The department's index to the relative purchasing power of 30 farm products is placed at 93 for August, compared with 91 in July, the five-year 1909-14 average of 100 being used as a base.

Bids on Southern Railway Building.

Charlotte, N. C.—Bids will be opened on October 20 in the office of J. B. Munson, vice-president of the Southern Railway, Cincinnati, for the erection of the proposed Southern Railway office building in this city. The structure will be 138 by 107 feet, three stories, of concrete and pressed brick, with limestone trim, felt and pitch roof, mastic floors on cement and vacuum steam-heating system. The structure will cost about \$175,000. S. S. & G. H. Godley of Cincinnati are the architects.

Ten Residences to Cost \$1,000,000.

Coral Gables, Fla.—With the purchase of 10 lots in the Riviera section of Coral Gables at a reported cost of \$120,000, it is stated that G. Glover Boake, builder, of Cincinnati, Ohio, plans to erect 10 residences, the whole investment to amount to \$1,000,000. This will be the initial unit of an extensive building program, it is said, as Mr. Boake has arranged to take over 13 additional lots in Coral Gables. H. George Fink of Miami is the architect.

W. A. Baily of San Antonio, Texas, will erect 200 dwellings in the Highlands Addition of San Antonio at a cost of \$1,000,000.

Muscle Shoals From the Engineering Standpoint.

By COL. HUGH L. COOPER, Designing and Supervising Engineer of Wilson Dam.

The delivery of commercial energy from Muscle Shoals is the first practical use of a great natural power resource that has been discussed for about 117 years. The first 100 years of conversation was premature, because neither science nor the public need were ready for the project until about seven years ago, when President Wilson and Secretary of War Baker ordered this work built as a war necessity.

The design and construction of the works was begun in 1918, since which date, with various interruptions, due to lack of Government appropriations, the work has progressed until today the first installation of eight units, with a generating capacity of 260,000 horsepower, is nearly ready for service. The ultimate station will contain 18 units with a generating capacity around 600,000 horsepower. When the station is completed, around 2,500,000,000 kilowatt hours of energy will be available for consumption in the South, representing a saving of about 3,700,000 tons of coal per annum, that would require a freight train about 900 miles long for its delivery.

The work, when finally completed, will have cost around \$52,000,000, and if we can keep corporation greed and politics out of the disposition of this great enterprise, Muscle Shoals and the Tennessee River can be made the keystone of a vast superpower system that will serve around twelve millions of people in six states of the South, with benefits that can come to them in no other way.

The Tennessee River has not in the past occupied any particularly important place in the public eye as a power and navigation possibility, but if sound engineering can be carried on in a sane manner the Tennessee River can be rebuilt with wide benefits to navigation and with a power production equal to more than one-fifth of all of the hydro-

electric power that is now used in the United States, Niagara Falls included.

The Muscle Shoals dam, as it stands today, is the largest block of masonry yet built as a dam anywhere in the world, being larger than the Nile Dam at Assouan. From the standpoint of capacity to handle floods, the Muscle Shoals dam has a greater capacity than has hitherto been attempted, and at times over twice the maximum flood discharge of the St. Lawrence River, in the international section, will have to be handled over the top of the dam, which is 96 feet high above its foundations.

The achievement of mere magnitudes, however, has not been our goal in carrying out this work. The first and controlling demand upon the engineering and construction divisions has been for a result that will represent, when it is finished, the highest efficiency and the greatest durability.

The designs contain several important departures from previous engineering practice, and their execution has been along lines of carefulness in construction that have not hitherto been attempted in this class of work.

Time alone will tell how well we have designed and built. Too many of the works we American engineers build look pretty well the first six months after they are finished, but a large and painful percentage of them begin thereafter to show diseases that always result from immature and careless handling of engineering problems.

If in 10 or 20 years from now the intervening experience with the project has shown that we have built well, and that the works will stand sound and true for an indefinite period, we all will be compensated for a lot of grief we individually and collectively have endured, and this happiness will be enjoyed by every man whose patience and toil has contributed to this result, from the man who has wielded the pick and shovel up to the top of the organization.

What Is Wilson Dam Worth?

By MAJ. M. C. TYLER, Corps of Engineers, U. S. Army District Engineer, Wilson Dam, Florence, Ala.

The value of a commercial property is fixed by its earnings. But earnings are dependent upon production and marketing, or, in other words, on an intelligent use of the property.

If a farmer runs a dairy, and a good market exists for milk in a nearby town, and he sells his milk there at a profit, all items of cost included, his investment in land, buildings and stock is sound and valuable and his credit is A1 in the community in which he lives. If he should start skimming his milk, feeding the cream to the pigs and attempts to sell his skimmed milk to his town customers, he would last but a short time in the dairy business and his farm would soon be mortgaged to the limit.

The Government has invested a lot of money in Wilson Dam (the Muscle Shoals hydro-electric development), and has built and now owns a modern steam plant adjacent to the dam and designed as a low-water reserve.

Like the farmer's dairy, this Government-owned power property may be valuable or not, depending upon the quantity of production and how the product is marketed.

In any study of the problem certain facts stand out in bold relief:

1. The public-utility companies in the Southeast are interconnected from Virginia to Mississippi. This makes possible a wide use, especially in emergencies, of Muscle Shoals power.

2. The rapid growth of the demand for power in the

Southeast in diversified industry and agriculture insures the absorption within five years of the entire primary power capacity of Wilson Dam and the steam plant, at remunerative rates, if the power from those plants is distributed through the interconnected system of the public utilities.

3. Northern Alabama, western Tennessee and Mississippi must look to the lower Tennessee River for such increases in hydro-power as those sections are to receive, viz., to Wilson Dam now built, and to possible new developments of about one-half the head at Colbert Shoals, Dam No. 3 and Guntersville.

4. The Government owns two war nitrate plants at Muscle Shoals, and there is a strong sentiment that they should be operated for the production of fertilizer by means of power from the Government-owned power plants.

Wilson Dam is a combined navigation and power development, and in round numbers its cost, without step-up transformer station, will be \$46,000,000. Probably \$9,600,000 would be a fair estimate of the value of the navigation benefits, leaving \$36,400,000 as the amount invested for power purposes.

If the low-water capacity of Wilson Dam (about 66,000 kilowatts) is devoted to the operation of the nitrate plants or other strictly local market, the annual load factor will depend upon local conditions, marketing conditions of the single large industry served, breakdowns in the single indus-

try, and the like. Probably under these conditions Wilson Dam would not produce more than 400,000,000 kilowatt hours per annum, and a comparison of the cost of production, including interest, sinking fund, maintenance and operation, with the corresponding items for a modern steam plant of equal capacity, would fix the value of Wilson Dam at about \$13,600,000, or about one-third of what is invested in it for power purposes.

On the other hand, if Wilson Dam is operated in connection with the Government-owned steam plant (70,500 K.V.A. capacity), and the power is distributed through the interconnected system of the public utilities of the Southeastern states, it seems certain that within five years the two plants can dispose of 860,000,000 kilowatt hours of primary power at a cost around 3.4 mills per kilowatt hour, including interest, sinking fund, maintenance and operation on both plants.

A careful estimate of the value to the public of Wilson Dam and the existing steam station, compared with the value of a modern steam station of capacity equal to the two plants on the same basis of interest on investment and sinking funds, and including maintenance and operating cost, shows that if Wilson Dam is operated in connection with the steam station at Nitrate Plant No. 2 supplying energy for diversified industry and agriculture through the public-utility transmission net, Wilson Dam is worth about \$61,000,000, or about 68 per cent more than has been invested in it for power purposes, or about four and one-half times as much as it is worth if operated solely for the production of nitrates.

This comparison takes no account of the possibility of the sale of secondary power, for which there is little prospect of any market except through the public-utility system as and when new steam stations are built.

Bank Merger in Chattanooga.

Chattanooga, Tenn.—Details have been arranged by the First National Bank of this city for the acquisition of the First Trust and Savings Bank, also of Chattanooga, the deal to be ratified at meetings of the stockholders of both banks on October 14. As a result of the merger, the First National Bank plans to increase its capital stock from \$1,000,000 to \$1,250,000.

It is understood that a trust department will be established and a branch bank opened to be known as the Volunteer office. Plans also include the formation of the First National Co., capitalized at \$200,000, for handling bonds, mortgages and investment securities.

Holding Company for Bank Shares.

The Bankstocks Corporation of Maryland, incorporated in the state in May last, has opened a suite of offices at 906 Citizens National Bank Building, Baltimore, and is also arranging to open a branch in Washington, D. C. This company, it is stated, is a holding company for stocks of banks in the United States and in the principal cities of foreign countries. It is incorporated for \$1,000,000. Gerard I. Donovan of Baltimore is president and the board of directors is composed of prominent Baltimore and Washington bankers.

Franchise Transfer Assures \$5,000,000 Building.

Dallas, Texas.—An ordinance transferring the franchise of the Dallas Telephone Co. to the Southwestern Bell Telephone Co., and approved by the City Commission, assures the erection of a \$5,000,000 building here by the latter company. As previously outlined, the structure will be located on property bounded by Akard, Jackson and Wood streets. It will be erected in three units, the first to cost \$2,000,000 and the others \$1,500,000 each.

Construction Activity South Continues at High Level.

Construction activities in the sixteen Southern states as shown by the items published in the Daily Bulletin and in the construction news columns of the MANUFACTURERS RECORD during the first nine months of this year, have again surpassed all previous records. From January to September, inclusive, 68,675 individuals news items have appeared. These cover every phase of building and industrial development, as well as the announcement of new financial corporations and the voting and sale of public-improvement bonds. During the corresponding period of the preceding year 53,400 items were published, and in the similar nine-month period of 1923 a total of 44,196 items.

In September 6388 items were published, compared with 5499 for the ninth month of the preceding year and with 4294 items for September, 1923.

Road and street construction holds first place, with a total of 8601 items for the nine months. Notices on bridge, culvert and viaduct construction total 2390, giving a total of close to 11,000 for these two closely allied classes of construction. Land development items are next in numerical importance, totaling, 5229. Dwelling construction is represented by 5211 items, a total that is the more significant when it is considered that only individual projects involving the expenditure of \$10,000 and over are reported.

	Totals for Sept.	Totals for Jan.-Sept. (inc.)
Industrial Developments:		
Airplane plants, stations, etc.....	4	22
Bridges, culverts and viaducts.....	202	2,390
Canning plants.....	10	157
Clayworking plants.....	8	107
Coal mines and coke ovens.....	14	202
Concrete and cement plants.....	12	119
Cotton compresses and gins.....	35	323
Cottonseed oil.....	8	69
Drainage, dredging and irrigation.....	35	228
Electric light and power.....	183	1,678
Fertilizer plants.....	8	50
Flour, feed and meal mills.....	11	108
Foundry and machine plants.....	28	249
Gas and oil developments.....	84	936
Ice and Cold storage.....	38	421
Iron and steel plants.....	1	25
Land developments.....	410	5,229
Lumber enterprises.....	48	562
Metal-working plants.....	1	46
Mining.....	28	258
Miscellaneous construction.....	74	769
Miscellaneous enterprises.....	414	5,000
Motor bus lines and terminals.....	35	106
Motor Cars garages, filling stations....	135	1,539
Railway and street railways.....	7	41
Railway shops and terminals.....	12	102
Road and street construction.....	861	8,601
Sewer construction.....	156	1,494
Shipbuilding plants.....	1	4
Telephone systems.....	16	277
Textile mills.....	41	403
Water works.....	214	1,897
Woodworking plants.....	37	334
	3,171	33,892
Building:		
Association and fraternal.....	50	572
Bank and office.....	102	1,093
Churches.....	143	1,802
City and county.....	93	984
Dwellings.....	612	5,211
Government and state.....	19	205
Hospitals, sanitarium, etc.....	57	593
Hotels and apartments.....	389	3,062
Miscellaneous.....	66	728
Railway stations, sheds, etc.....	10	96
Schools.....	214	2,935
Stores.....	167	2,061
Theaters.....	32	326
Warehouses.....	33	486
	1,987	20,154
Financial:		
Bond issues proposed.....	286	1,719
Bond issues sold.....	86	2,417
Building and loan associations.....	15	106
New financial corporations.....	64	1,655
	451	5,897
Machinery, proposals and supplies wanted		
	574	6,705
Total	6,173	66,648
Fire damage	205	2,027
	6,385	68,675

Cotton Manufacturers of the Nation Meet to Discuss Diversification.

"ELIMINATE INEFFICIENCY OR BE ELIMINATED."

[Special Correspondence Manufacturers Record.]

Charlotte, N. C., October 1.

The second textile diversification dinner, held in Charlotte on the 29th of September, was attended by about eight hundred mill men from all the cotton-manufacturing states of the nation. That so many executives should gather, some coming distances of close to, if not quite, a thousand miles for the sole purpose of listening to a discussion of diversification for an evening and then returning whence they came, indicates the lively interest felt by the industry in the subject under discussion.

The Governor of North Carolina, A. W. McLean, was the first speaker on the program. Governor McLean has won for himself the title of "North Carolina's Business Governor," and he has distinguished himself, among other things, by the fact that he talks more sound common sense in five minutes than a politician can talk in five weeks and less bunk in five weeks than a politician uses in five minutes. Governor McLean, therefore, is attentively listened to by business men.

The subject of Governor McLean's address was "What Diversification Has Done for North Carolina." Diversification, the Governor pointed out, is a prime necessity of all trade. It springs directly from the diversity of human desires and is fostered by the diversity of natural resources. North Carolina has a great diversity of climate and of agricultural and mineral resources, and it has been upon this that its growing prosperity has been founded.

Why diversify the textile products? the Governor asked, and answered his question by saying there has been an over-production in certain lines and the industry has not been prosperous of late. Fashions have been and are changing rapidly, and diversification is necessary if the mill are not to be caught with great stocks of unsalable goods on their hands.

Reviewing briefly the development of industry in this country, the Governor pointed out that for a time North Carolina and the other Colonies had produced nothing but the raw materials for the industries of England. Then New England became the manufacturing center, to which all the raw materials of the South were shipped. More recently we have come to a stage at which we are manufacturing many finished products, but are still shipping much half-finished goods to New England to be finished. In other words, we are still in a transition stage. We must develop our own industries to the point where we manufacture and market the finished product, and must diversify as we do it. The skill and ability of our people has been demonstrated. It only remains to put it to work.

Some people bewail the fact that the cotton industry has been heavily cut into by the modern habit of using rayon and silk, and talk of trying to bring back the custom of using cotton stockings and cotton dresses and underwear. That is impossible. The custom has changed, to stay changed. There is only one solution and that is diversification. And there are two forms of diversification possible: first, in the form of the product; and second, in the process of selling. To carry out either of them will require much agitation and education among the mill executives. It will probably require some sort of research laboratory or research campaign. Large mills can support such efforts, but small ones cannot, and some plan of co-operation for the support of a common laboratory may be necessary. But a research department, working ceaselessly to develop new styles and new weaves

and the like, would be the prime requisite of successful effort at diversification.

Following Governor McLean, W. S. Lee, vice-president and chief engineer of the Southern Power Company and toast-master of the dinner, made a short talk in which he stressed the necessity for getting away from staple products into lines not produced in such quantities, and then brought out the necessity for getting close to the minds and wishes of the people in order to determine what they most want or are likely to fancy when they see it. A second point Mr. Lee brought out is the importance of reducing the middleman's profit. Several of the speakers, in fact, took cracks at this much-maligned but as yet indestructible cog in the machinery of production.

Another suggestion of Mr. Lee's was to establish cloth brands that would be accepted as standard. In the struggle to do this the weaker companies would be forced out and under, but the strong would reap a profit through the acceptance everywhere of their brands as guarantee of quality. He summed up his various suggestions in the words, "Make what the people want, and charge them for what they get. Sell as directly as possible. Eliminate inefficiency or be eliminated."

The other address of the evening was delivered by Theodore H. Price, publisher of Commerce and Finance and Cotton and Its Products. His subject was "The Distribution of American-Made Cotton Fabrics," but he talked first upon diversification. "I don't know about diversification of cotton goods," said Mr. Price, "so I asked a New England manufacturer what it meant. His answer was, 'Diversification is all right, but for heaven's sake tell your Southern friends not to diversify by copying *my* goods.' And then he went on to explain that the ideal diversification was creative and not imitative.

"Ignorant as I am, it seems to me that in this remark he covered all that can be said upon the subject. Diversification to be successful must be creative. That it may be creative men of imagination must be employed, and they must be given opportunity to work under conditions that will fire and excite their imagination."

Coming then to the subject of distribution, Mr. Price said:

"But when it comes to making a market for the goods your creative genius has produced I am a little more at home, for I have studied the question and I feel justified in asserting that the great need of the cotton-textile industry today is advertising that will arouse a consumer demand.

"In the United States alone more than 5,000,000 adults are employed in producing, manufacturing and distributing cotton and the things made of or derived from it. Upon the average each of these 5,000,000 persons has three dependents. Here is a group of 20,000,000 people, nearly one-fifth of our population, who are directly dependent upon cotton for a livelihood. If you could bring them to a realization of this dependence; if you could, so to speak, give them a cotton consciousness; if you could make them talk, eat, drink and breathe cotton goods, what, think you, would be the result?

"It is said, and I think with truth, that the song 'Yes, we have no bananas today' increased the consumption of bananas by 50 per cent in this country and lifted them from obscurity to popularity in England. What would be the result if you

could get the 20,000,000 Americans who derive a living from cotton to talk about it or sing about it and insist upon its use in preference to Japanese silk or Australian wool?"

After developing this suggestion more fully, Mr. Price came to the subject of brands, trademarks and slogans. Slogans, he thought, are hardly applicable to the situation on any extensive scale, but he strongly advocated the use of brands and trademarks. "To so familiarize a name with a need that those who feel the need will recall the name is, or ought to be, the chief purpose of advertising. The use of a descriptive brand or graphic trademark is a very effective and comparatively inexpensive way of accomplishing this purpose, and I have always wondered why the cotton manufacturers have not resorted to it more generally. You all know what a miracle the word 'rayon' has worked in extending the use of artificial silk, and of the many other valuable trademarks the silk manufacturers have devised, but I can think of only four nationally known brands that are used to identify cotton goods."

Another means of cheap and effective advertising suggested by Mr. Price was the giving of cotton balls—not balls made of cotton, but balls at which the ladies are asked to wear cotton dresses. Speaking of a ball he had been instrumental in organizing, Mr. Price said: "One New England manufacturer authorized me to present ball dresses made of his goods to ladies who would wear them. I gave away several hundred of these frocks, and the donor tells me that his business was immensely benefited by what proved to be the cheapest and best advertising in which he ever engaged."

Mr. Price took a swat at the high profits made by middlemen and retailers, asserting that the chief advantage of cotton, which is cheapness, is destroyed by most retailers, who charge prices for cotton that enable goods more costly in production to compete with it in selling price. This is one of the handicaps the cotton mills must overcome.

Following Mr. Price, B. E. Geer was scheduled to speak, but, being prevented by ill-health from attending, S. C. Lamport of New York spoke in his stead. Mr. Lamport urged diversity of distribution as one solution of the present dullness in the industry. Having diversified their products, he said, manufacturers should invade foreign markets more aggressively, and should study the wants of those markets more closely than ever before. He had just completed a trip over much of the earth, and found in all countries he visited a most favorable attitude toward Americans. He urged that the chief executives of mills should themselves visit these lands, study their wants and then go aggressively after them.

W. J. Vereen, president of the American Cotton Manufacturers Association, contrasted the small cotton industry of the South in 1897 with the immense development of today.

J. E. Sirrine, president of J. E. Sirrine & Co., Greenville, mill architects and engineers, suggested that before much progress could be made in diversification some sort of bureau of information on the subject should be established. The textile organization, in spite of its great efficiency and development of individual plants, is one of the most loosely organized of all the great industries. Mill men must recognize their interdependence, organize more strongly, find out just what is meant by diversification, what the problems are, and how to attack them. They can then proceed intelligently and with a minimum of expense.

George S. Harris, president of the Georgia Cotton Manufacturers Association, said the mills know they want something and think it is diversification. He scored the tendency to speculate in cotton, and recommended a general resolution to sell no products below the current cost of the staple. Speaking of diversification and its advantages, he said that the last year has been the most prosperous in his history as president of a mill, and he attributes it to the fact that during the

year he has been working on a hundred constructions. He recommended the installation of an adequate cost-accounting system as vitally necessary in any diversification scheme, and expressed the opinion that the need therefore varied approximately as the square of the extent of diversification. He also urged the establishment of Southern trading centers, rather than the sending of goods to Northern markets.

Informal discussion among mill men who had attended the dinner developed the opinion that the whole affair had been an unalloyed success.

Meeting of American Iron and Steel Institute at New York.

The twenty-eighth general meeting of the American Iron and Steel Institute will be held at the Hotel Commodore, New York city, on Friday, October 23. There will be the usual sessions, morning and afternoon, at which Judge Gary will give his address and technical papers will be read. This will be followed by a banquet in the evening. Following is a list of the technical papers which will be read at the morning and afternoon sessions:

"Low Temperature Distillation of Coal." M. W. Ditto, general manager, Socony Burner Corporation (subsidiary of Standard Oil Co. of New York), New York.

"Silicon Steel," Dr. W. E. Ruder, General Electric Co., Schenectady, N. Y.

"Stainless Steel," D. G. Clark, manager, Firth-Sterling Steel Co., Pittsburgh, Pa.

"Higher Temperatures and Better Economy in Use of Liquid Fuels," Max Sklovsky, chief engineer, Deere & Co.

"Alloy Steels Up to Date," F. E. Clark, sales engineer, National Alloy Steel Co.

"Manufacture and Use of Wrought Iron," A. G. Smith, engineer of tests, New York.

"Ely Process of Manufacturing Wrought Iron," F. H. Dechant, William H. Dechant & Sons.

"Rowe Process of Manufacturing Wrought Iron," James P. Roe, Reading Iron Co., Reading, Pa.

"Aston Process of Manufacturing Wrought Iron," James Aston, chief metallurgist, A. M. Byers Co., Pittsburgh, Pa.

Carl Fisher to Develop Long Island Resort.

The development of a great resort and subdivision at Montauk Point, Long Island, N. Y., has been undertaken by Carl G. Fisher and associated interests; it will involve the expenditure of several millions of dollars. Mr. Fisher is the creator of the Miami Beach development at Miami, Fla., one of the largest projects ever undertaken in that state.

Mr. Fisher writes that for the Montauk Point enterprise he has purchased approximately 10,000 acres of land with some 25 miles of waterfront, and will award contracts for \$5,000,000 to \$6,000,000 worth of hotels, clubhouses, stores, docks, golf courses and other facilities. Most of the work will be handled by contract and it is expected that construction will be started in the spring.

West Florida.

Holmes County Chamber of Commerce.

Bonifay, Fla., September 28.

Editor Manufacturers Record:

West Florida is not surpassed by any other equal area in the state for solid resources. It also has its advantages of location. At this time some of the biggest developments under way in the state are in west Florida. Our Gulf coast has entered upon a development surpassing anything that has so far occurred in the state. As our resources are solid, we have every reason to believe that this development will be more persistent and more permanent than others.

ROSS MASTERS, Secretary.

Yorktown Battlefield Becomes an International Shrine.

By D. PEALE POLK, Yorktown.

At a meeting in Philadelphia recently the contract was awarded for the construction of the Yorktown Manor and Country Club, at Yorktown, Va., to the A. A. Lane Construction Company of Cleveland, Ohio, at a cost of approximately \$1,300,000, building operations to begin at once. The buildings will be of brick and limestone trim, of the Virginia Colonial manor type, plans calling for 300 rooms.

Historic Yorktown, with the establishment of the "World's Country Club," is to be made an international shrine, a show place of America. Already the membership consists of diplomats and prominent people of 15 foreign countries, Presidents of South American republics and representative people from all over the United States, uniting to restore and to perpetuate this glorious spot where American independence was won. Those who become charter life members in the movement may have the feeling of satisfaction that they are those who helped to establish this living memorial to Revolutionary patriots who achieved American independence at Yorktown for all time to come.

After 144 years of neglect, the battlefield of Yorktown, scene of one of the greatest and most significant military dramas in American history, has been restored. The breastworks, redoubts and famous fortifications, long lost under the tangle of wild honeysuckle, have been cleared, the native trees and shrubs preserved and that noble sweep of land where Lord Cornwallis surrendered to George Washington has been given a guarantee of perpetual care and preservation.

No ordinary restoration this. Over part of that land where Washington, Lafayette, Rochambeau and those other immortals pressed onward in the last battle of the Revolutionary war there sweeps the velvet green of what is probably one of the finest golf courses in the United States. The ramparts they stormed, reverently attended and preserved stand like old Roman ruins, sleeping forever in the sunlight. But in the shadow of them slopes the flawless emerald of the first green. Every hole on this course, which can surely be called unique in the world, has been named for one of the great in that galaxy of greatness which made history at Yorktown. The sand-boxes were cast from an exploded shell excavated in the ruins of a dwelling historically important, but gradually moldering into disintegration, just off the village street.

Not only do the golf links stretch over this land where every foot of ground has its own story of heroism and achievement; here, too, vast hunting and shooting preserves extend. For the horseman there are miles of bridle paths through the pines and along the high river bluffs replete with historic legend. The peninsula of Virginia, with its wealth of historic association and natural beauty, lends itself to other forms of recreation, including swimming, salt-water bathing, fishing and yachting. York River oysters are famous, and likewise its clams and crabs. The finny tribe are more than numerous and are uncommonly accommodating. Yorktown still remains a rendezvous for the Atlantic Fleet and many prominent yachtsmen. Steps already have been taken to organize one of the finest yacht clubs in the world in connection with the club.

And, shortly, on the highest plateau of the battlefield overlooking the river and Chesapeake Bay there will arise the manor which will house this great national country club, or, rather, international country club, as seems more fitting to call it. For, side by side with the honorary life membership of President Coolidge and Gen. John J. Pershing, Governors of states and other prominent personages of America, stand

the names of the present Marquis de Lafayette, the Marquis de Rochambeau, Comte de Grasse and His Royal Highness, the Duke of York, after whose ancestor the town was named. Thus, it becomes a new sort of patriotic shrine, the first of its kind in the world; yet in line with the modern spirit—for the use of the living, the monument erected to the past.

Yorktown is saved from becoming a commercial enterprise. Fifteen years ago certain interests contemplated erecting a cement plant on the battlefield, where it had been discovered the land was rich in a deposit of marl used in the manufacture of cement. At this juncture John F. Braun, a citizen of Philadelphia, stepped in and made the first move towards saving Yorktown. In mining the marl through the operation of steam shovels, and the undermining of the very ground, would have meant the complete destruction of the famous battlefield. The land was purchased which comprised the principal forts, ramparts and intrenchments used and constructed by the British during the siege and battle. Attempts have been made again and again to interest the National Government, state governments and various patriotic societies in Yorktown to establish a national park, but without success. The neglect of 140 years was still upon the ground in 1923. Finally, Mr. Braun headed a group of patriotic citizens who, of their own volition and dubious of Congressional aid, recently undertook the work of rehabilitating the sacred site at Yorktown with a view to making it a national patriotic shrine.

After carefully considering various plans, a happy solution was found for the Yorktown problem—a practical plan which will restore and beautify the old battlefield and at the same time will provide needed and agreeable accommodations for visitors to Yorktown. These objects, it was agreed, could best be accomplished through the establishment of a country club. So the Yorktown Country Club has undertaken to restore the famous battlefield and to convert the surrounding territory into a beautiful park.

Remarkable response on all sides followed the making known these plans. The Government gave the heartiest co-operation. Patriotic societies joined in the movement. Government officials and prominent citizens evinced a desire to help. Besides President Coolidge and General Pershing, other founder and life members are: Chief Justice and former President William Howard Taft, Viscountess Astor, Representatives Nicholas Longworth, Cyrus H. K. Curtis, Mrs. Edward Bok, Edward A. Alderman, Mrs. George W. Blow, Howard E. Cole, Governor Albert C. Ritchie, of Maryland, Mrs. Helen N. Smith, Alexander Van Rensselaer, Theodore Roosevelt, John Garland Pollard, Judge Howard Ferris, John F. Braun, J. E. Bacon, Harlan F. Stone, William Goodman, Secretary Curtis D. Wilbur, former Governor Charles S. Whitman of New York, Governor E. Lee Trinkle of Virginia, and others.

Perhaps most picturesque of all are the memberships of the descendants of the great Frenchmen who so valiantly served America during the siege and helped win American Independence. But other notable Frenchmen as well have joined in the movement. Marshal Foch is an honorary life member; so are the Duc de Noailles, Marquis de Chambrun and the Baron de Montesquieu. Englishmen, though their kinsmen met defeat in the famous nineteen-day siege, are enrolled. The honor memberships as well include the British Ambassador, Sir Esme Howard, and Field Marshal Earl Haig. Italy, Belgium and Sweden likewise are represented by members of their nobility.

This much seems certain: No other country club in the world possesses the historic setting of Yorktown, and had it not been for Yorktown we might not celebrate the "Glorious Fourth." True, the Declaration of Independence had been written, but not until five years afterward, on October 19, 1781, did it become effective.

Modern Open-Hearth Plant in Alabama.

TENNESSEE COAL, IRON & RAILROAD CO. PLACES NEW UNIT IN OPERATION.

An installation of four 125-ton stationary open-hearth furnaces, the first unit of an ultimate 12-furnace plant, was recently put in operation at the Fairfield Works of the Tennessee Coal, Iron & Railroad Co. at Fairfield, Ala., in the Birmingham district. This plant, which has a capacity of about 25,000 tons a month, is to meet the large demand for steel at the Fairfield Works, which has outgrown the steel-making capacity of the Ensley duplexing plant, which has been making steel for both the Ensley and Fairfield Works.

These furnaces use the pig and scrap process, utilizing the discard and scrap steel from the Fairfield Mills. Generous space is provided, the building being 450 feet long, with both pouring and charging sides 76 feet 7 inches center to center of columns, and with a 37-foot lean-to on charging side, to house the waste heat boilers.

On the pouring side of the building on a level with the cage floor of the 200-ton ladle crane is an escape platform the full length of building by which the operator can quickly gain the outside of the building through a series of doors and get the metal sheeting of the side of the building between him and point of danger.

The pouring side is served by a 200-ton 67-foot span ladle crane with 40 and 15 ton auxiliaries, while the charging floor is served by a 125-ton, 67-foot span ladle crane with a 40-ton auxiliary and by a 12-ton low-type charging machine. Each furnace has a 6-ton jib crane for spout handling, etc.

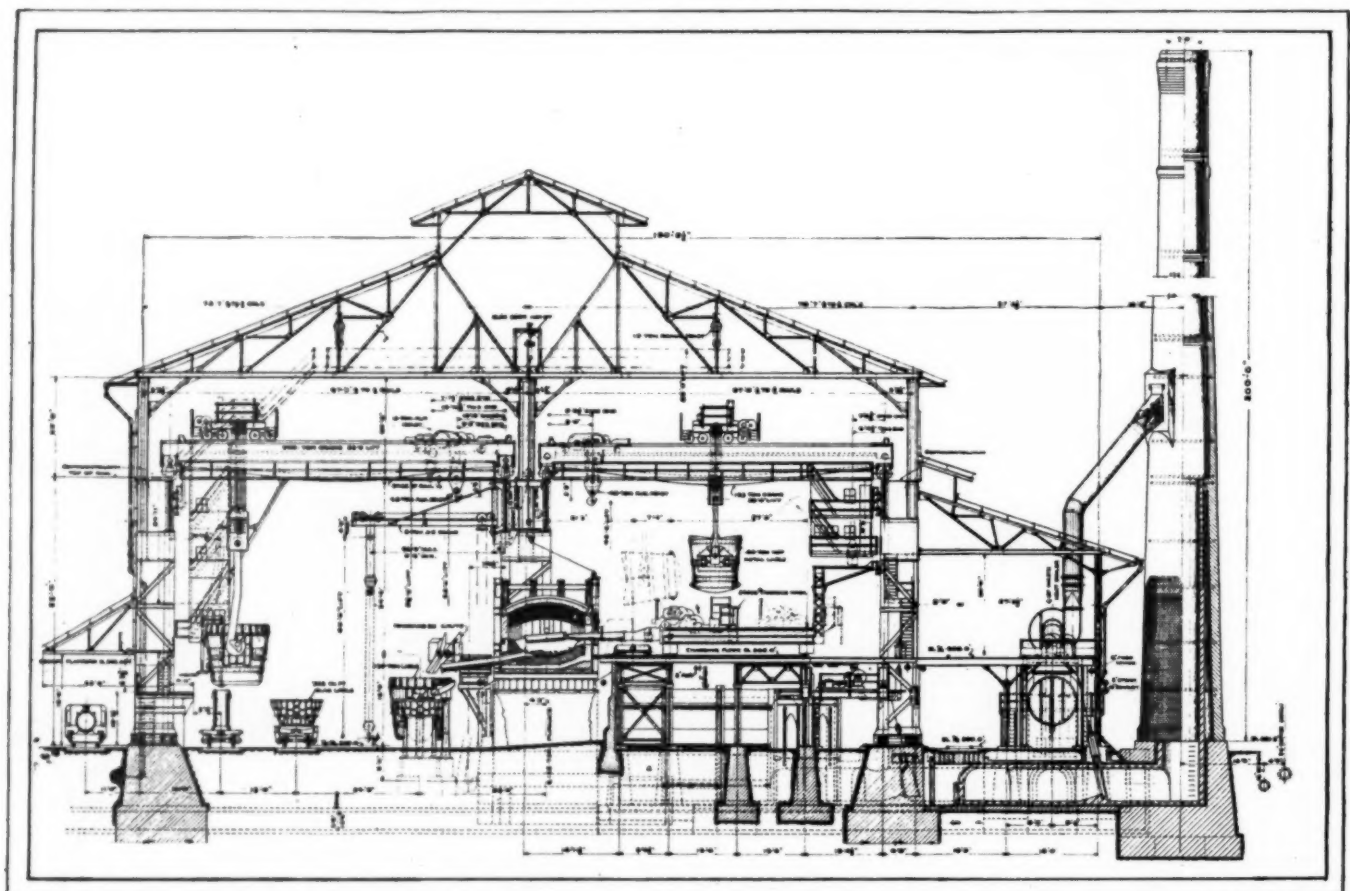
The charging-side building extends 50 feet beyond the floor to enable the 125-ton crane to pick up the 70-ton hot-metal ladles coming from the blast furnaces and charge them directly into the open-hearth furnaces. This 50-foot bay will ultimately be a part of the mixer building.

The furnaces are built to use either tar or by-product gas, or both fuels at the same time. Oil can be used instead of tar by a slight change in the burner orifice if desired. The furnaces have hearths 15 feet 3 inches by 48 feet and are 18 feet 3 inches by 76 feet 6 inches outside of brick work. The binders are of heavy steel construction with 6½ by 15 inches slab buck-stays, which are water-cooled.

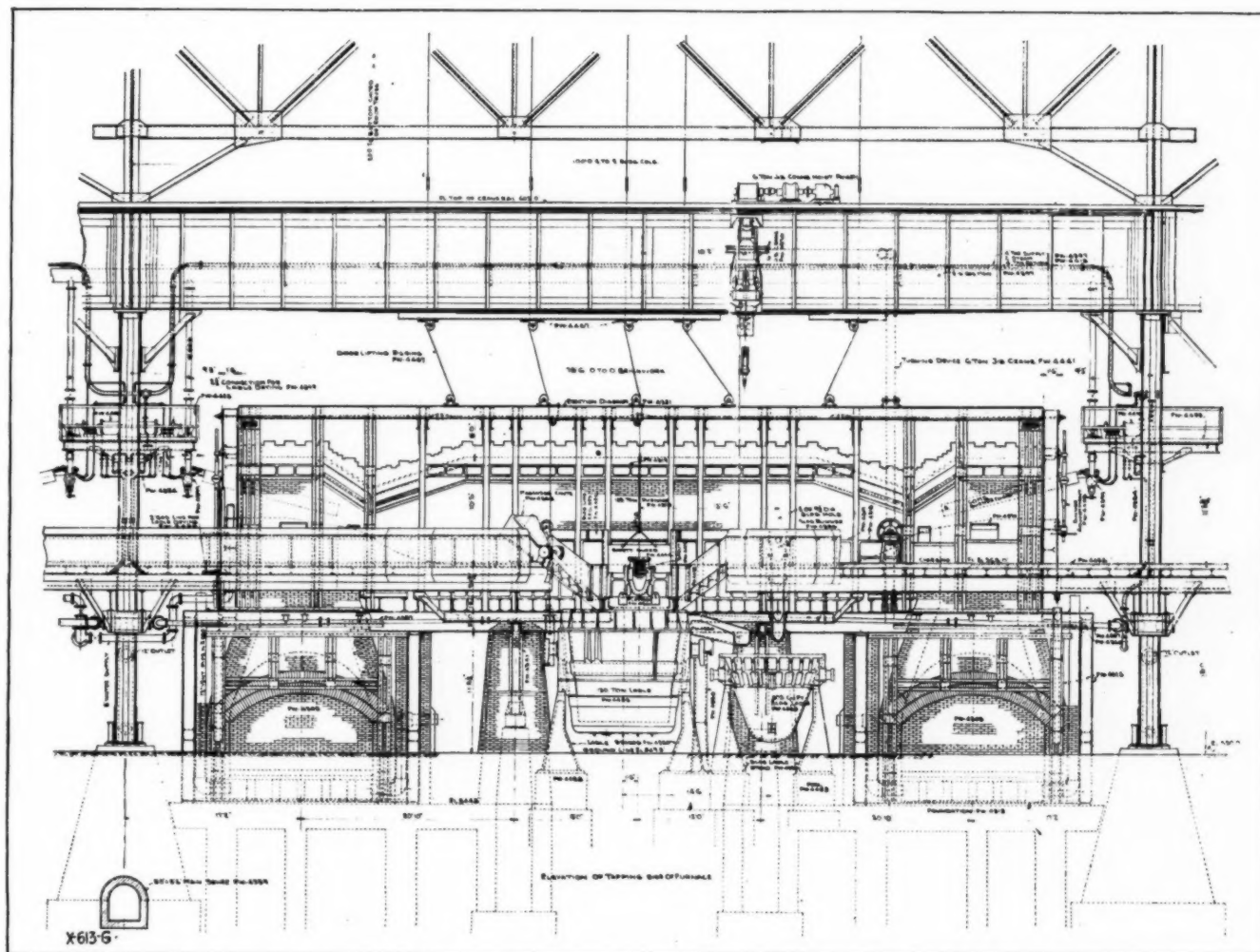
Slag line coolers are provided on both front and back walls. Each furnace is provided with five water-cooled doors and frames. The doors are operated by five 2-ton electric hoists suspended between struts high above the furnaces, and operated by push-buttons at the floor, the control for two furnaces being grouped together. The furnace roof is 13½ inches thick with 18-inch ribs throughout. The slag pockets are very large, with air-cooled bottoms.

The tar and coke-oven gas burners are combined in one water-cooled unit, and both tar and gas are reversed by two steam cylinders, one at each end of the furnace, and operated by two 3-way valves. By means of bent slotted levers the atomizing steam is turned on just before the tar and turned off just after the tar is shut off. The complete fuel reversal system is above the charging floor.

The tar system consists of a 250,000-gallon storage tank and two 10,000-gallon tar-treating tanks. The tar is pumped directly from the adjacent by-product coke plant to these tanks. From the treating tanks it is pumped to the open-hearth furnaces through 4-inch pipes with 2-inch return pipe. A 2-inch steam pipe, serving both to maintain the temperature of the tar in the lines and to atomize it at the burners, is adjacent to the supply and return tar line. The entire tar system is arranged with the minimum amount of dead line



GENERAL CROSS SECTION OF OPEN-HEARTH PLANT.



ELEVATION OF TAPPING SIDE OF NUMBER 4 FURNACE AND PLATFORM.

during reversals and shutdowns. Room is allowed for later installation of gas producers should the tar supply be utilized elsewhere in the future.

An interesting feature of this open-hearth plant is the arrangement of regenerator chambers, which are built on converging angles so that the regenerators and stack flues form a Y, thus giving the most direct route to the stack. The regenerator chambers are steel lined and insulated.

The stacks are of radial brick type, 7 feet inside by 200 feet high, with waste-heat boiler connection.

Three furnaces are equipped with heavy marine type, single-pass, horizontal, fire-tube boilers of about 500 rated horsepower. Provision is also made for placing similar shells above the present shells, thus making a double-pass boiler. The boilers are equipped with supplementary burners, using by-product gas, superheaters, feed-water regulators, steam turbine-driven induced-draft fan and safety devices. The boilers are built for 250 pounds pressure, 150 degrees Fahrenheit superheat.

The flue valve and air-reversal arrangement consists of two air valves, two regenerator flue dampers, one stack damper and one waste-heat boiler-flue damper. All dampers and frames are water-cooled. The air valves and regenerator flue dampers are operated simultaneously by a 15-horsepower motor, while the stack and waste-heat boiler dampers are operated by a hand winch. The air valves are regulated by the usual floor stands.

The scrap storage runway is 81 feet by 400 feet and is served by two 15-ton magnet cranes. Paralleling and built in connection with the scrap storage is a steel trestle and elevated bin system for ore and limestone storage, the material

being drawn from the bins into charging pans on cars directly beneath the bins.

The plant is provided with tall trestle, refractory plant, mold yard, drinking-water system, sewers, sanitary system, bathhouse and offices of latest approved type.

Two \$2,500,000 Steamships for Miami-New York Service—Contract Awarded.

Miami, Fla.—Two new steamships to cost \$2,500,000 each will be built for the Clyde Steamship Co. for its freight and passenger service between this city and New York. Contract for construction of the vessels has been awarded to the Newport News Shipbuilding & Dry Dock Co. of Newport News, Va. The ships will be 407.3 feet long over all, 36.6 feet deep and 62 feet beam, of the twin-screw, oil-burning type, and will have a displacement of 8500 tons. Their maximum passenger capacity will be 780. Specifications call for a speed of 18 knots, which will enable them to make the run, it said, in 45 hours. They are expected to be ready for service within 15 months.

Seven-Story Office Building for Panama City.

Panama City, Fla.—Arrangements have been made by William L. Wilson for the erection of a seven-story office building here, for which plans are being prepared with a view to awarding contracts soon. The structure will front 80 feet on Harrison avenue and extend 125 feet on 2d street, the first floor to be devoted to storerooms. Space will be provided on the top floor for a restaurant.

Striking Facts as to How Florida's Development Is Helping the Whole South.

The State Chamber of Commerce.

Jacksonville, Fla., October 3.

Editor Manufacturers Record:

One of the strangest features yet observed in connection with the so-called "boom" in Florida is the disposition on the part of some newspapers and individuals in a few of the Southern states to belittle Florida, to participate in the anvil chorus now so prevalent in the North and middle West.

The South is gaining far more from the rush to Florida, and Florida's prosperity, than it is losing. The activity in Florida has attracted the attention of the entire country to the South, and the Southern states themselves, observing what has been accomplished in this state, and what is being done, are unconsciously becoming more progressive. Southern cities and towns which six months ago had never dreamed of advertising the opportunities they had to offer settlers and investors are beginning to spend money for that purpose and already are beginning to profit by it. They are carrying out municipal improvements that would not have occurred to them had Florida not shown the way. Florida's highway building program has stimulated similar work throughout the South, and the scramble for Florida lands at what appear to be unreasonable prices, until one realizes what those lands will produce per acre per year, has brought to the entire nation for the first time the realization that all land, no matter where it may be located, has a value of some kind.

At one time there was a disposition in certain sections of Georgia to knock Florida, but progressive and far-seeing Georgians, quickly realizing that as a neighboring state Georgia would be one of the first to benefit directly from Florida's prosperity, squelched it. Hundreds of thousands of dollars have been spent in Georgia by the hordes of Florida-bound motorists passing through that state. The multitudes in Florida must be fed and the Georgia Bankers' Association now is planning a "Feed Florida in 1926" movement with a view to supplying to this state agricultural products which we do not produce now because of the lack of development of our farm lands. Florida will spend hundreds of thousands of dollars with Georgia farmers for food during the next few years. The demand for lands already has begun to have its effect in Georgia, for Florida capital is being invested in large tracts in south Georgia suitable for agricultural purposes. Florida's prosperity, and nothing else, is responsible for these benefits to Georgia.

From Alabama Florida is obtaining thousands of cars of coal because of the ever-increasing demand for it here. From the Birmingham district Florida is purchasing huge quantities of structural steel and other iron and steel products to be utilized in carrying on its remarkable building program. We would have no need for these things were it not for our development and prosperity, yet certain newspapers in Alabama are seizing every opportunity to knock us. It is refreshing to note that the newspapers published in Birmingham are bending every effort to squelch Florida knocking in Alabama on the ground that the more prosperous Florida becomes the more it will affect business conditions in their state.

North Carolina's shipments of manufactured tobacco products to Florida have increased tremendously because of the growth of our population, and the products of her textile mills are being purchased here in ever-increasing quantities to clothe these people. One wholesale fish dealer in Jacksonville is purchasing fish in large quantities at Beaufort, N. C., and distributing them in Florida because the demand for certain varieties at this time of the year cannot be supplied by Florida's fisheries. Florida is purchasing more Louisiana and South Carolina rice than ever before solely because of

the increase in its population, and trainloads of poultry and eggs and dairy products are being bought in Tennessee.

Virginia is benefiting to a remarkable extent, yet there are citizens of that state who have urged Governor Trinkle to call a special session of the General Assembly to discuss ways and means for stemming the tide of migration to Florida. The Clyde Steamship Company, because of the immense increase in its business to Florida, is spending approximately \$7,000,000 at Newport News for construction of three new vessels. In this instance Florida directly is furnishing employment for hundreds of Virginians. It means better business for merchants in the Hampton Roads district, because the workers will spend their money with them. Two vessels owned by the Old Dominion Line, usually idle every winter, have been chartered by the Clyde Line and placed in the Florida service for the season. The money for their hire indirectly finds its way into the pockets of Virginians. [Mr. Dann might also have added that the Merchants and Miners' Transportation Co. of Baltimore is building three big steamers at Newport News for its Florida service next winter.—*Editor MANUFACTURERS RECORD.*]

There has been no let-up in railroad traffic into Florida this summer, for the roads are handling more freight and passengers than at the peak of any winter season of previous years. Florida's prosperity has brought prosperity to the railroads of the Southeast and their prosperity has been passed onto their workers in the form of steady employment, and the money they otherwise would not have earned has gone into the tills of the merchants they deal with and the pockets of the people who own the homes they rent. It heretofore has been the custom to lay off shop mechanics and laborers during the slack summer season. It could not be done this summer because Florida's development and the demands therefrom forced full-time work. Enginemen and train crews on the lines which handle the bulk of Florida's traffic heretofore have worked only part time during the summer. This summer all of them have been busy.

Examples such as these could be cited without end, but enough have been mentioned to show that the entire South owes an ever-increasing debt of gratitude for the Florida "boom." Instead of belittling Florida and everything that pertains to it, every state in the South well could afford to boost Florida both day and night. A Southern state which knocks Florida is doing something akin to killing the goose that lays the golden egg.

HERMAN A. DANN, President.

City Hall and Courthouse Contract \$1,679,000.

Miami, Fla.—Contract has been awarded by the Dade county Commissioners at \$1,679,000 to L. W. Hancock of this city and Louisville, Ky., for the proposed county courthouse and city hall to be erected here. Plumbing, electric work, elevators, plastering and finishing have not been awarded. The building will be 30 stories, with a 3-story base and basement, about 168 by 168 feet; sub-base, 138 by 138 feet, four stories, surmounted by a tower, 78 by 78 feet, 18 stories, and topped by a stepped pyramid about 50 feet high. A. Ten Eyck Brown of Atlanta is the architect and August Geiger of Miami associate architect.

\$1,000,000 Building Corporation at Tavares.

Tavares, Fla.—To relieve the shortage of homes and business buildings in this city, the Lake County Investment & Construction Co. has been organized here with a capital stock of \$1,000,000 for general building operations in Tavares and later throughout Lake county. Milton Goldbacher is vice-president and general manager. Building operations are expected to begin within two weeks.

Eastern Pottery Manufacturers Investigate Feldspar Properties in South.

By V. V. Kelsey, Erwin, Tenn.

The importance of the ceramic raw materials of the South is becoming more apparent every day. More and more of the Northern and Eastern pottery producers are investigating the various sources of feldspar, kaolin, ball and sagger clays and flint. This is especially true of the feldspar deposits.

Recently the following pottery manufacturers from the Trenton (N. J.) district were the guests of the Erwin Feldspar Company of Sprucepine, N. C., and Erwin, Tenn., at which time a careful inspection of the mines and mills of the Erwin Company were made.

The party included Mr. and Mrs. Leslie Brown of Lenox, Incorporated; Mr. and Mrs. J. M. Gilfillan of the Trumbull Electric Manufacturing Company; Andrew Foltz, president, Lambertville Pottery Company, Lambertville, N. J.; John F. Hutchins, superintendent, B. O. T. Manufacturing Company; Oscar Van Fleet, president, Van Pottery Company; Enoch Muntford, manager, Anchor Pottery Company; George Martin, manager, Keystone Pottery Company; C. H. Chamberlain, manager, Bay Ridge Speciality Company; Prof. Geo. H. Brown, director of ceramics, Rutgers University, New Brunswick, N. J., and Prof. A. V. Henry, director of ceramics, Georgia Institute of Technology, Atlanta.

When the party arrived in Johnson City, Tenn., on September 19 from the East they left immediately in a special car, attached to a regular train on the Clinchfield Railroad, for Sprucepine, N. C. Near Sprucepine the visitors were met by R. W. Lawson, president of the Erwin Feldspar Company, and were taken to the mines on Crabtree Creek in a special car over the private railroad operated by the Erwin Company.

After making an inspection of the mines the party was taken to the hotel at Sprucepine, where a banquet was tendered them. S. T. Henry of New York and Sprucepine extended a cordial welcome to the visitors and told them of the remarkable growth of western North Carolina and pointed out the many advantages of that section for industrial development. L. H. Phetteplace, general manager of the Clinchfield Railroad, reviewed in a most interesting way the industrial development in the territory traversed by the line of his company. Mr. Phetteplace predicts a much greater development during the next ten years and pointed out the advantages of this location for ceramic industries. Dr. Charles Peterson of Sprucepine, a local physician, told of the climatic advantages of western North Carolina and the desirability of this section from the standpoint of health. Mr. Smith, manager of the Harris Clay Company of Sprucepine, explained the method of mining and refining North Carolina kaolin.

On behalf of the guests Leslie Brown, Andrew Foltz, Prof. George H. Brown and Prof. A. V. Henry responded in a most delightful manner. Mr. Leslie Brown told of his experiments with the use of North Carolina feldspar, which have proven successful in the production of extremely high-grade china. Messrs. Foltz and George H. Brown pointed out the necessity of keeping feldspar uniform, and told in clear terms the requirements of the various manufacturers so far as feldspar is concerned. Prof. A. V. Henry reviewed his work at Georgia Tech and explained in detail the ceramic raw materials of the Southeast. He, too, predicted a rapid growth of the pottery and glass industry in the South. V. V. Kelsey of the Erwin Feldspar Company acted as toastmaster.

The visitors expressed surprise and their interest in the great extent of the feldspar deposits in western North Carolina.

The following day the party made an inspection of the English Knob mines of the Erwin Company and returned to Erwin, where they visited the mills of the company and were

later guests of the Southern Potteries, Incorporated, of Erwin. They left for the East on Sunday night.

Prior to 1911 there was no feldspar being produced in North Carolina on a commercial scale. Today this territory is producing half the total amount of spar consumed by the various ceramic industries of this country. The industry has grown from a modest start in 1911 to its present size, which argues well for the quality of this material from North Carolina.

During 1924 a total of 96,000 long tons of spar were mined in North Carolina, which was more than the entire country consumed in 1921. This is a remarkable increase in three years. The production in 1924 represented an increase of 68 per cent as compared with 1923.

[We are especially glad to be able to give these facts of the visit of Eastern pottery manufacturers to the feldspar properties in the South, since some of the statements published in the MANUFACTURERS RECORD of October 1, sent us from Johnson City were inaccurate. The actual facts as given in the foregoing are of importance to the people interested in pottery manufacturing.—Editor MANUFACTURERS RECORD.]

Rio Vista Hotel Sold—Building Now Under Construction.

[Telegram to Manufacturers Record.]

Daytona, Fla., September 30.

Rio Vista Hotel sold to local syndicate headed by Roy Gridley, L. E. Hoyer and T. J. McReynolds, Sr. Contract for completion of the hotel being negotiated this week in Atlanta is made with the object of rushing work so as to open not later than February 1. The hotel is under roof and several important material contracts are being delivered, including sash and doors, sprinkler equipment and plumbing.

New owners have promised definite report within 10 days, giving name of general contractor and methods they will employ to accomplish the task of finishing hotel for this season.

WALTER C. HARDESTY.

The Rio Vista Hotel, of the Spanish-Moorish type of architecture, has been under construction about a year. It is located at Rio Vista, on the Halifax River, near Daytona, the enterprise having been started by the Rio Vista Hotel & Improvement Co., of which Mr. Hardesty is vice-president. Hampton & Ehmann of Miami are the architects.

Building Active at Fort Pierce.

[Telegram to Manufacturers Record.]

Fort Pierce, Fla., October 1.

Building permits were issued by the city of Fort Pierce to the amount of \$404,370, including plumbing and electric fixtures, during the month of September. This exceeds all previous monthly records and includes principally business structures, with a few dwellings and apartments.

Ground was broken today for the erection of the Helm-Martin arcade building on the corner of Orange avenue and the Dixie highway, which will be valued at more than \$400,000 when completed.

B. R. KESSLER, Secretary, Chamber of Commerce.

Plans for the Helm-Martin building were prepared by Willis Irvin of Augusta, Ga., and West Palm Beach, and general contract has been awarded to the E. L. Winn Construction Co. of Kansas City, Mo. The structure will be two stories, 250 by 250 feet, and will provide space for 60 shops and stores on the ground floor, with offices above.

Florida City to Vote on \$500,000 Bonds.

Stuart, Fla.—An election will be held in this city on October 27 on a bond issue of \$500,000 for municipal improvements. Work to be undertaken will include electric lights, sewerage system, streets and curbs, parks and waterfront improvements.

National Manufacturers, in Annual Meeting at St. Louis, to Attack Tax Burdens.

Taxation will be one of the principal subjects under discussion at the annual convention of the National Association of Manufacturers at the Hotel Statler, St. Louis, beginning October 26 for a three-day assembly. It is expected that the convention will declare itself in recommendations to Congress in favor of reductions of surtaxes and abolition of the rule which makes possible the publication of the income-tax lists.

Among other subjects to be presented are Immigration, transportation, tariff, commercial aviation, fuel, the divorce of the Government from industrial operations, the new policy of the Federal Trade Commission, the strengthening of the Federal judiciary and improvements in our patent system.

The national phase of taxation will be dealt with in the report of the standing committee, the chairman of which is W. H. Alford of the Nash Motor Company, Kenosha, Wis. Hon. Theodore Christianson, Governor of Minnesota, will treat the subject from the viewpoint of the state.

Transportation, both land and air, will be thoroughly treated, the former by Elisha Lee, vice-president of the Pennsylvania Railroad, and the latter subject by Col. Paul Henderson, general manager of the new \$50,000,000 National Air Transport.

Labor conditions and employment relations will have special consideration, particularly those caused by the strike of the hard-coal miners and those resulting from the employment of children and the presence of women in industry. It is recognized that although the so-called Child Labor Amendment to the Constitution was defeated by the majority of states, persistent effort will be made to keep the question alive, and also that the increase of the number of wage-earning women is a fact that is becoming more and more important daily.

The delegates will be welcomed to the city on the opening morning by Harry Scullin, president of the Scullin Steel Company, St. Louis, vice-president and director of the National Association of Manufacturers and president of the Associated Industries of Missouri. This will be followed by addresses by the Hon. Victor J. Miller, Mayor of St. Louis, and W. Palmer Clarksoff, president of the St. Louis Chamber of Commerce, and the annual address of Mr. Edgerton, president of the Association. Some of the other speakers on the three-days session will be the Hon. Herbert S. Hadley, former Governor of Missouri and chancellor of the Washington University; "Helping, Not Hounding Business," by William H. Humphrey, the newest member of the Federal Trade Commission; "What Lies Back of Foreign Trade," by Alfred P. Dennis, vice-chairman of the United States Tariff Commission; "Services Through Industry," by Dr. Gus W. Dyer of Vanderbilt University, Tennessee; "Industrial Progress and Public Affairs," by James A. Emery, general counsel of the National Association of Manufacturers in Washington; "Salvaging the By-product of the Public Schools," by Dr. Anna Y. Reed of New York University; H. L. Gandy, secretary, National Coal Association; Howell Cheney of Cheney Bros., Connecticut; Mrs. Marguerite B. Benson of the Illinois Manufacturers' Association; Mrs. Ora Snyder, Chicago, and Mrs. Arthur T. Morey, St. Louis.

On Monday evening, October 26, the manufacturers and citizens of St. Louis will tender a reception, buffet supper and dance at the Hotel Chase.

At the banquet on Tuesday evening, October 27, there will be an address on "Legislating in a Republic," by Nicholas W. Longworth, and by Admiral Robert E. Coontz, commander of the United States fleet in its cruise to Australia, who will tell of "The Mission of the Navy."

In preparation for the convention, the Association is send-

ing out more than 50,000 postal cards to manufacturers throughout the country asking questions, the replies to which not only will indicate present and future business conditions, but also will give figures of the total manufacturing resources of the country and reveal the actual conditions of the labor market.

Seeking to Meet the Freight Embargo of Florida Railroads.

J. W. Young, owner of Hollywood, Florida, wired the MANUFACTURERS RECORD from Savannah that he has purchased five four-masted schooners, one steamship, and was then on his way to New York to purchase two more steamships and one ocean-going tugboat to carry freight of all kinds to Hollywood. This freight, he said, would be unloaded by lighters from the sea. This is to be done, we presume, on account of the congestion of traffic on the wharves at Miami, where it is difficult at present to unload vessels as rapidly as they arrive. Two of these steamships, it is announced, will be used for bringing cement from Belgium to Hollywood. The big schooners will carry lumber and other building material to Hollywood.

The transportation situation in Florida is so acute that movements of this kind should be inaugurated wherever feasible. In every port where sufficient depth of water and wharfage facilities are available efforts should be made to bring as much stuff as possible by water; not only building material, but everything else that can be handled by steamers or sailing vessels, so as to lessen the pressure on the railroads and increase the supply of things needed in Florida.

Conference Called for Protection of Florida.

Ways and means to combat "what is said to be an organized effort in the East and middle West to stop the influx of immigration and the flow of capital into Florida" will be discussed at a conference of prominent men interested in the development of Florida in New York city October 9. A telegram to the MANUFACTURERS RECORD from the Florida Development Board says:

"The conference in New York on October 9 includes a number of leading publishers of that city with Governor Martin and a number of Florida business men for the purpose of trying to stop the publication of untruthful real estate advertisements relating to Florida. The conference was called by the Florida Development Board, and President Herman Dann of St. Petersburg will preside, or have Governor Martin preside.

"Much of the propaganda against Florida in the Central states is due to activities by unscrupulous real estate promoters in those states over which we had no control. We have co-operated with better business bureaus in furnishing information about questionable subdivisions and some of the promoters have been put out of business, but a new crop springs up like mushrooms as long as newspapers will accept their fake advertising.

"The Florida Development Board is starting this week a national advertising campaign, warning investors to investigate before investing."

Okmulgee Office Building to Cost \$350,000.

Okmulgee, Okla.—Plans are being prepared by Smith & Senter of this city for an office building to be erected here by J. W. McCulloch at a cost of \$350,000. The building will be 95 by 103 feet, six stories. Drawings are expected to be ready within six weeks.

THE IRON AND STEEL SITUATION

No Significant Change in Steel.

Pittsburgh, October 5—[Special.]—Another week has passed without any really important developments of general import in the steel market or the steel trade generally. It is a case of no news being good news, for the steel trade has been quite active since its revival in July and August, more active than has been recognized in some quarters.

Now that the last quarter of the year has been entered upon without consumption, buying and production showing any definite trend either upward or downward, the year's tonnage can be more closely estimated. It looks as if it would fall just a trifle below the tonnages of the three biggest years, 1917, 1918 and 1923, and considerably above the next best year, 1920. This brings out strongly the difference in general conditions, as to labor and plant efficiency, etc., between then and now, for in 1920 everything was done with the greatest difficulty, if at all, and the excitement was far above the physical activity. This year there is more production and more consumption, with everything moving along very smoothly.

Pending compilation of the monthly report of steel ingot production, September output may be estimated at between 5 and 10 per cent over the average rate in August, which would be approximately equivalent to the rate attained by the end of August. This would be only a few per cent below the average in the first half of the year, when there was a very high peak rate, in March, and between 20 and 25 per cent above the average rate in the six years intervening between the war and the present year. For only 25 to 30 per cent of the time since the war has steel production been at the present rate or higher.

There are no unfavorable reports from any of the steel consuming lines as to trends, except that the oil industry will naturally taper off somewhat on account of winter and the unfavorable oil statistics of the past two or three months. There are still heavy deliveries to be made on pipe-line orders for Texas and Louisiana.

The automobile industry, after its sharp decrease in production in August, has either turned upward already or will very shortly do so. Agricultural implement factories are running at high rates and may work up to somewhat higher rates still. Freight-car buying, which a month ago presented some possibilities of improving, is not making much of an average, but as the steel industry was already adjusted to there being light operations at the freight-car shops there is no loss represented.

While the general flow of steel orders has been very steady, and at a high rate, some special business has also been done. It is estimated that rail orders in September, for next year's delivery, totaled about 200,000 tons, and much more business seems to be on the way for the next couple of months. Sometimes mills welcome this business as giving them an opportunity to roll rails in the winter to fill in gaps caused by lulls in demand for other steel, but now they intimate they will not need such help in the coming winter.

The water-pipe line for Oakland, Cal., involves 75,000 tons of pipe, to be made of plates, and it is reported that the Carnegie Steel Company already has the plates, for shipment over a period of six months.

Heavy melting steel scrap has declined 50 cents following a similar decline three weeks ago, being now quotable at \$18 to \$18.50. One mill that bought a couple of months ago has taken scarcely any deliveries, and another mill held up deliveries for the last 10 days of September, whereby dealers have found it easier to pick up scrap.

The local pig iron market continues dull and firm, prices

being easily maintained at the recent 50-cent advance.

Connellsville coke has had another dull week. Eastern buying, in connection with the anthracite suspension, was active in August, sending prices up, but lately, perhaps on account of the advance, there has been little interest, while the blast furnaces have no interest at all, being covered by contracts. Prices seem to be easier. The recent labor scare is largely dissipated, as the two important strikes have been waning and no fresh trouble has developed.

Pig Iron Higher, With Firm Market.

Birmingham, Ala., October 5—[Special.]—Southern pig iron quotations are advancing, the market is very firm and furnace interests are anticipating most favorable conditions for an indefinite period. Sales are now being made at \$20 per ton, No. 2 foundry, small lots of the product, immediate delivery, being booked. Minimum price is stated at \$19, but there is not much iron to be obtained at that quotation. An order for 5000 tons of iron of various grades was offered furnace interests recently in this district and the \$19 per ton, No. 2 foundry, base was hard to be found. Two blast furnaces are out for repairs, but 11 being in operation on foundry iron. There is considerable iron still on yards, but this is being cut down at the rate now of more than 15,000 tons a month, and by the end of the year very little iron will be available, the probable make then to be resorted to in meeting demands. However, before the end of the year the make will have been materially increased so that the steady needs can be supplied.

The Sloss-Sheffield Steel & Iron Co., with five blast furnaces in operation, has been selling iron at \$20 right along. The Republic Iron & Steel Co. and the Woodward Iron Company are also well supplied with business and quote the same price. The two latter companies have comparatively small tonnage of iron on the yards, but so far have kept up with their demands. The Republic Company has but one furnace in operation, with another iron-maker in shape for the torch and the other one being relined and repaired. It may be necessary to blow in the second furnace earlier than has been intended. The Woodward Iron Company has three blast furnaces on foundry and one on basic iron and is shipping steadily, the make being closely watched. There is a more cordial feeling among the Birmingham furnace interests than ever before and the needs of each one are being cared for with apparent satisfaction. For instance, one of the active companies has been in need of a little coke, and the need has been supplied. Other companies have needed iron, and this, too, is being furnished, a splendid cordiality being noted.

Survey of the general conditions still show that there will be a strong melt of iron indefinitely. Three or four of the larger industries of the territory advise that there is nothing in sight which would tend to show that much of a deflection is to take place in the tonnage of iron to be needed. In other words, there will be active melting of iron, not only through the remainder of the year but well into next year.

With the pig iron activity there is much going in the steel line, all open-hearth furnaces, with few exceptions, producing steadily and the blooming mills of the district operating day and night. The output of steel is none too great, some of the plants not making strong efforts towards production in order that others may get the steel. Finishing mills and fabricating plants are quite busy and the indications are that there will be continued steady work for a long time to

come. Steel prices have been fluctuating very little. Reports from Florida are more favorable as to the opening up of transportation facilities, embargoes south of Jacksonville being lifted some so that structural steel and other products of this district can be shipped promptly into that state. As stated before, a large quantity of structural material—steel, iron, brick, cement, lumber and what not—have gone into Florida and the activity is not over with by any means. The steel fabricating plants in Birmingham have been able to take smaller jobs from that state and make deliveries, while other sections have made effort to wait until there was an accumulation of considerable tonnage in order that shipments could be made at one time and in quantity.

Events in industrial field hereabouts scheduled for October include completion this week of the railroad line of the Sloss-Sheffield Steel & Iron Co., which will haul coal from the Flat Top coal mines to the North Birmingham by-product coke plant, a distance of 17 to 18 miles, reducing the cost of transportation, ultimately cutting costs of pig iron production; completion of the 57-oven by-product plant of the Republic Iron & Steel Co. at Thomas, part of Birmingham, this plant to make coke for the three blast furnaces of the company; completion of the steel sheet mill of the Tennessee Coal, Iron & Railroad Co.; resumption in full of the 40 rebuilt coke ovens of the by-product plant of the Woodward Iron Company; adding another unit of the Reeves Bros., Inc., plant to the list of operations in the district; addition of a tile-making department to the big brick plant of the Stephenson Brick Company, Lovick.

Coal-mining operations in Alabama are very active. Slow buying of domestic coal is still noted and apprehension is felt that a little later, when a rush starts in on that class of purchasing, congestion will be felt on the railroads. Steam coal needs are much greater than they have been. No effect is felt of the strike in the anthracite territory.

Coke production is slightly improved again, despite the fact that a number of beehive ovens were shut down by reason of a lack of water and some deflection in the operations at the Ensley by-product coke oven plant of the Semet-Solvay Company. It is understood now that the latter plant will enter the independent coke trade and will make coke on its own business. The Woodward Iron Company's by-product coke plant is expected to take on impetus this month. The requirements of this company have been a little greater than its make. Quotations for coke are firm, \$4.75 to \$5 being asked yet for foundry coke. Completion of the new by-product coke plant of the Republic Iron & Steel Co. is scheduled for the latter part of this month. This plant has 57 ovens.

The scrap iron and steel market is very firm. Quotations remain low, heavy melting steel being quoted at \$13. Furnace interests are using a little old material and many of the foundries and shops are also resorting to scrap now, pipe shops in particular taking on old material. Dealers in scrap are taking no long-time contracts at present prices, but are booking business for immediate delivery right along. The old-material market is quite active.

Quotations for pig iron and iron and steel scrap follow:

PIG IRON

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$19.00 to \$20.00; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$19.50 to \$20.50; iron of 2.75 to 3.25 per cent silicon, \$20.00 to \$21.00; iron of 3.25 to 3.75 per cent silicon, \$20.50 to \$21.50; iron of 3.75 to 4.25 per cent silicon, \$21.00 to \$22.00; charcoal iron, f. o. b. furnaces, \$30.00 to \$32.00.

OLD MATERIAL

Old steel axles.....	\$18.00 to \$20.00
Old iron axles.....	17.00 to 18.00
Old steel rails.....	13.00 to 14.00
Heavy melting steel.....	13.00 to 14.00
No. 1 cast.....	16.00 to 17.00
Stove plate.....	13.00 to 14.00
No. 1 R. R. wrought.....	12.00 to 13.00
Old car wheels.....	15.00 to 16.00
Old tramcar wheels.....	16.00 to 17.00
Machine shop turnings.....	7.00 to 8.00
Cast iron borings.....	7.00 to 8.00
Cast iron borings (chem.).....	15.00 to 16.00

RAILROADS

Six New Bridges for Southern Railway.

Six heavy bridges are to be erected immediately by the Southern Railway in North and South Carolina to take the place of lighter structures. The largest will be a new bridge, 625 feet long, across the Yadkin River near Idols, on the line between Winston-Salem and Charlotte, N. C. It will have five 125-foot riveted truss spans. Between Columbia and Spartanburg, S. C., the Broad River bridge, near Shelton, 128 feet long, and the Cedar Creek bridge, near Montgomery, 169 feet long, will be replaced by new riveted truss spans of heavier construction. A new 131-foot bridge will be installed at Curtis Creek, near Old Fort, N. C., and a new 50-foot plate girder, designed for modern loading, will replace the present bridge across Shut-In Creek, between Hot Springs and Paint Rock, N. C. At Bullocks Creek, near Sharon, S. C., between Kingsville and Marion, new concrete piers will be built and a 160-foot deck truss span installed. All new bridges will be fabricated by the Virginia Bridge & Iron Co. Masonry and other work will be done by the Southern Railway forces.

Record-Breaking Freight Traffic Continues.

For the ninth time this year the American Railway Association has reported weekly loadings of revenue freight on the railroads in excess of 1,000,000 cars. During the week ended September 19, for which data has just been compiled, total loadings were 1,098,428 cars, an increase of 122,994 cars as compared with the previous week, which was a short week on account of the Labor Day holiday. As compared with the corresponding week of last year the loadings showed an increase of 21,581 cars and with the same week of 1923 an increase of 37,617 cars. Never before was the traffic movement so great at this season as it is now. Since January 1 last there have been 36,726,280 cars loaded with revenue freight, an increase of 2,112,291 cars as compared with the same period of last year and of 520,534 cars as compared with the same period in 1923, which before 1925 was the record year for freight loadings.

Chesapeake & Ohio Officials Appointed.

Appointments have been made on the Chesapeake & Ohio Railway as follows: A. P. Gilbert, freight traffic manager, succeeding E. D. Hotchkiss, retired on request after 52 years of railroad service and 35 years with the company; Wm. Fitzgerald, general freight agent, to succeed Mr. Gilbert; R. H. Vaughan, general through freight agent in charge of freight traffic, solicitation and service. Headquarters of Messrs. Gilbert and Fitzgerald are at Richmond and of Mr. Vaughan at Cincinnati. In addition to the foregoing, F. B. Moss has been appointed master mechanic at Richmond, Va., and R. G. McKee at Peru, Ind.

Texas Line Would Extend to Waco.

Application has been made to the Interstate Commerce Commission by the Waco, Beaumont, Trinity & Sabine Railway Co., R. C. Duff of Houston, Texas, president, for authority to build its proposed extension from Weldon to Waco, Texas, 109 miles. This distance, however, may be reduced by 19 miles if trackage rights can be obtained over the International-Great Northern Railroad from Mart to Waco.

The present lines of the Waco, Beaumont, Trinity & Sabine Railway are from Weldon via Trinity to Livingston, Texas, 47½ miles, and from Trinity via Groveton and Corrigan to Colmesnell, Texas, 66½ miles.

New President of Pennsylvania Railroad.

William Wallace Atterbury was elected president of the Pennsylvania Railroad Company at a meeting of the directors on September 30, and on October 1 he succeeded Samuel Rea, who had attained the age of 70 years and was automatically retired under the pension rules of the company. Mr. Atterbury, who is 59 years of age, has been a vice-president for 13 years, and before that was general manager. He is a native of Albany, Ind., and when 20 years of age began his railroad career as apprentice in the shops of the company at Altoona, Pa. In this department he rose steadily and in 1901 he became general superintendent of motive power. Less than two years later he became general manager early in 1903. During the war in Europe he was director general of transportation of the American Expeditionary Forces and was made a brigadier general. Early in the summer of 1919 he returned to his duties with the company.

Mr. Rea, the retiring president, is a native of Hollidaysburg, Pa., and at the age of 16 years he began railroad work as a member of engineering corps on a branch of the Pennsylvania Railroad, and, with the exception of a brief experience in an industrial plant, was continuously with that company until 1889, when he became vice-president of the Maryland Central Railroad (now Maryland & Pennsylvania) and chief engineer of the Baltimore Belt Line Railroad, which latter he planned, and it is now in the Baltimore & Ohio system. After a year's rest, because of impaired health, he returned to the Pennsylvania Railroad as assistant to the president, who was then George B. Roberts, and from that time onwards he held various important official positions, and became president January 1, 1913. Mr. Rea has been the only president who has lived to the age of retirement prescribed. He will continue to be a member of the board of directors.

New Through Train to Florida.

Miss Jeanne Koontz, debutante daughter of J. R. Koontz, vice-president in charge of traffic of the Frisco Lines, acted as sponsor for the new Frisco train to Florida, The Sunnyland, which started on its first trip at 9.00 A. M. October 5 from Kansas City, Mo., to Tampa and St. Petersburg, Fla. Miss Koontz named the train in approved warship style, breaking a bottle of water over the front of the engine a few minutes before the train left Kansas City. An account of the event appears in the October number of the Frisco Magazine.

Another Cross-State Florida Line.

According to a press report from Miami, Fla., Arthur Day and associates of White City, Fla., propose to build a railroad about 130 miles long from Fort Pierce—which is on the Florida East Coast Railway in St. Lucie county, 124 miles north of Miami—southwest to Fort Myers on the western coast, connecting en route with the Atlantic Coast Line and the Seaboard Air Line. The line will be called White City, Okeechobee & Fort Myers Railroad and charter papers have been filed. White City is near Fort Pierce. It is proposed to start construction soon.

Highway Signals at Grade Crossings.

Efforts to reduce the number of accidents at grade crossings, particularly to motorists, by standardizing traffic signals at the crossings are being made by the railroads. The Signal Section of the American Railway Association at its recent convention at West Baden, Ind., was told in a report submitted by A. H. Rudd of the Pennsylvania Railroad and chairman of the Committee on Highway Crossing Protection that substantial progress has already been made toward

bringing about standardization. Efforts are being made, according to the report, to secure the approval of the various state public-service commissions which have not already acted on standardized signal lights so that a motorist from one part of the country will have no difficulty in recognizing such a signal wherever he may travel.

New Equipment.

Baltimore & Ohio Railroad has ordered 1500 box cars to cost something over \$2,000,000. Bethlehem Shipbuilding Corporation will build 1000 and the Standard Car Co. 500 of them.

Louisville & Nashville Railroad has ordered steel passenger train cars as follows: 4 passenger cars, 8 middle smoking-room passenger cars, 4 end smoking-room passenger cars, 2 combination passenger and baggage cars, 4 baggage-horse cars and 2 dining car bodies from the American Car & Foundry Co.; 10 baggage cars and 4 combination baggage and mail cars from the Pressed Steel Car Co.

Chesapeake & Ohio Railway has ordered 10 all-steel combination passenger and baggage cars from the Bethlehem Shipbuilding Corporation to cost about \$270,000 and 25 eight-wheel steel underframe caboose cars from the Hocking Valley Co., Logan, Ohio, to cost about \$62,000.

Tennessee Copper Co. has ordered a six-wheel switching locomotive from the Baldwin Locomotive Works.

Tennessee Central Railway is reported in the market for 4 Mountain type locomotives and the Atlanta & West Point Railroad for 4 Mikado type locomotives.

St. Louis-San Francisco Railroad has just received 20 locomotives (5 Mountain and 15 Mikado type) from the Baldwin Works. The road is also receiving from its own works at Springfield, Mo., 80 rebuilt freight cars every month.

Test of Diesel Electric Locomotive.

Another test of the new Baldwin Diesel electric locomotive was made last week on the Philadelphia & Reading Railroad between Reading and Mohrsville, Pa., and its adaptability for switching service was also demonstrated, the test being seen by officers of the railroad, the Baldwin Locomotive Works and the Westinghouse Electric & Manufacturing Co. A description says that the engine is operated by electricity, the current being developed by means of a Diesel engine in the cab, giving swift, cheap service without either overhead wires or third rails. It is further stated that the locomotive costs only one-fourth as much to operate as does a steam engine and it can run for a long time without replenishing fuel or water. It is rated at 1000 horsepower and is said to be thrice as powerful as any gas-electric engine known. It is the first of its kind to be built at the Baldwin Works. The locomotive is 52 feet long over couplers and is 14 feet 7 inches high. It weighs 275,000 pounds, of which 180,000 pounds rest on the driving wheels. The starting tractive force is over 52,000 pounds.

Preparing for a Rush to Florida.

The Chicago & Eastern Illinois Railroad Co., in anticipation of heavy Florida travel, has announced improvements in its passenger service and has put on new trains. The Dixie Flyer will be made an all-sleeping-car train and will run solid to and from Miami over the following railroads: Chicago & Eastern Illinois, Louisville & Nashville, Nashville, Chattanooga & St. Louis, Central of Georgia, Atlantic Coast Line, and Florida East Coast. Sleepers will also be carried to and from west coast of Florida points. The Dixie Express will run between Chicago and Jacksonville and the Dixie Limited will also run between the same cities. These changes are to go into effect November 1, making three daily trains each way on this route.

GOOD ROADS AND STREETS

Asks Bids to Rebuild Four Bridges—\$750,000 of Causeway Bonds Sold.

Tampa, Fla.—Bids will be received until October 27 by Hillsborough County Commissioners, at their office in this city, for rebuilding four bridges estimated to cost \$160,000. One of the structures, spanning Six-Mile Creek, will be of concrete, while the others, spanning Palm, Alafia and Little Manatee rivers, will be widened and rebuilt of steel and concrete. Permission for the improvements have been obtained from the War Department. A. B. Pimm is the county engineer.

On a joint bid of the Exchange National Bank and the First National Bank, both of Tampa, the commissioners have sold at par a bond issue of \$750,000 of the East Tampa special road and bridge district for the construction of the proposed causeway to span Hillsborough Bay. This will extend from the foot of 22d street to a point on the eastern shore about a mile south of Palm River. The bonds bear an interest rate of 5½ per cent and will mature over a period of 25 years, beginning in 1930.

Good Roads Movement in Latin America.

The advent of motorcars in greater numbers and the potentialities of motor transport in the development of economic resources has brought about a widespread popular agitation in Latin America for better highways. Desiring to furnish American business men with the facts, the United States Department of Commerce recently undertook a study of the Latin-American highway situation.

As a result of this study the Department has issued a report on Motor Roads in Latin America, containing 166 pages, exclusive of maps and illustrations, and showing that in all Latin America, which includes South America, Central America, Mexico and part of the West Indies, there are but 43,762 miles of road passable for automobiles, or about one-half of 1 per cent of such roads in the United States. The report presents a comprehensive survey of the present highway systems in the various countries, outlines building programs and summarizes measures which have been undertaken to stimulate construction.

Low Bids on Six Projects.

Columbia, S. C.—The following low bids have been submitted to the State Highway Department for the construction of six road and bridge projects: For 6 miles of topsoil in Newberry county, Langford & Wicker, Newberry, \$36,305; 10 miles of topsoil in Saluda county, W. R. Carson, Lynchburg, Va., \$50,196; 4 miles of sand-clay road in Dillon county, J. L. Carroll, Columbia, \$21,589; reinforced concrete bridge in Newberry county, Fulmer & Phillips, Leesville, S. C., \$18,245; treated timber bridge in Orangeburg county, Fulmer & Phillips, at \$3050, and for approaches to the King street viaduct in Charleston county, Simons-Mayrant Co., Charleston, \$18,747.

Bids on Road and Bridges.

Columbia, S. C.—Bids will be received until October 20 by the South Carolina State Highway Department, at its office here, for the construction of 11.765 miles of road in Clarendon county and for two bridge projects. Bridge construction will consist of 56 fifteen-foot, timber-treated spans in Orangeburg and Barnwell counties and the proposed

Catawba River bridge between Chester and Lancaster counties. The latter will cover 26 thirty-five-foot reinforced concrete spans on concrete bents and three 168-foot through steel trusses on concrete piers.

Plans for the road work are on file at the office of J. M. Martin, division engineer, Florence, S. C., while those for the Orangeburg and Barnwell county bridges are on file at the office of A. T. Brown, division engineer, Orangeburg. These may be obtained from the office of the state highway engineer, as may the plans of the Catawba River bridge.

Work Estimated to Cost \$3,500,000.

Raleigh, N. C.—Contracts involving work on approximately 200 miles of roads embraced in 19 projects, and for a bridge project, will be awarded by the North Carolina State Highway Department at its office in this city on October 13. The proposed work, estimated to cost \$3,500,000, will include 111 miles of paving, about 83 miles of grading and bridges, five miles of topsoil and a bridge over Rocky Creek in Iredell county.

Wake County to Vote on \$1,300,000 Bonds.

Raleigh, N. C.—An election will be held in Wake county on October 20 to determine whether the county shall issue bonds in the sum of \$1,300,000 to be loaned to the State Highway Commission for hard-surfacing roads in the county. It is understood that terms of the contract governing the loan provide for refunding the money from state revenue, so that the county will only be required to pay interest on the notes.

Roads to be built include one from Apex to the Chatham county line, from Raleigh to the Hartnett county line and a short connecting link near Zebulon and Wendell.

For 30 Miles of Roads.

Baton Rouge, La.—Bids have been invited by the Louisiana Highway Commission for the construction of three projects to involve building 30 miles of road and one bridge. Proposals will be received until October 20 for 9.68 miles of gravel road embraced in section B of Federal-aid project No. 106 and for 9.83 miles embraced in section C of the same project, both in Morehouse parish. On October 22 bids will be received for the construction of Pharr Canal bridge, on the New Iberia-Jeanerette highway in Iberia parish, to consist of a pile trestle structure of 45 feet, in three 15-foot spans, and on November 10 for 10.82 miles of road in Sabine parish. Plans and specifications for all projects may be obtained from the office of the commission in this city.

Notes on Good Roads Construction.

Hart County Commissioners, Hartwell, Ga., have called an election for October 14 on a bond issue of \$200,000 for building roads.

The State Highway Engineer, Jackson, Miss., has notified contractors that bids which were to have been received until September 29 on project No. 74-B in Winston county will be received until October 20.

Bids will be received until October 12 by the State Highway Commission, Frankfort, Ky., for the construction of three road projects covering more than 25 miles. Work will include 13.815 miles of grade and drain in Graves county, 3.253 miles of macadam, gravel, rock asphalt or concrete in Kenton county and for 8.235 miles of grade and drain in Perry county.

TEXTILE

Details of Construction on Plant of Southern Brighton Mills.

Shannon, Ga.—Construction is proceeding rapidly here on the various units of the new plant of the Southern Brighton Mills of Brighton Mills, Inc., Passaic, N. J. The first story of the main building has been finished and work is under way on the second story, the roof timbers are being placed in the weave shop building, and the tar and gravel roof will soon be put on the warehouse. Construction of a sewer and water system has started.

The main mill building will be two stories with monitor, 135 by 348 feet. The weave shop will be one story with monitor, 153 by 508 feet. These two buildings have concrete foundations, brick walls, steel sash, cast-iron columns, steel beams, and wood roof covered with five-ply tar and gravel. The warehouse and opening room, 100 by 250 feet, is standard brick and timber construction, with tar and gravel roof and concrete platforms. The boiler house is standard mill construction, 20 by 40 feet.

There will be a complete sewer system for the village, including Imhoff septic tank, sludge bed and chlorination plant. The water system includes a supply line from the river, service lines to the houses and village fire protection facilities, as well as raw-water pump houses, fire pump houses, storage basins, filter basin and filter plant.

Sub-contracts have been let as follows: Plumbing, S. F. Floyd Plumbing Co., Greenville, S. C.; roofing and sheet metal, Interstate Roofing & Foundry Co., Anniston, Ala.

Principal items of materials will be furnished by the following: brick, Georgia-Carolina Brick Co., Augusta, Ga., and Trimble Brick Co., Trimble, Ga.; structural steel, Bethlehem Steel Co., Bethlehem, Pa.; steel sash, Truscon Steel Co., Youngstown, Ohio; cast-iron columns, American Cast Iron Pipe Co., Birmingham, Ala.; timber and plank, Homer Williams, Thomasville, Ga., and Holder Coal & Lumber Co., Rome, Ga.; cement, Dixie Portland Cement Co., Chattanooga, Tenn., and lime, Gager Lime & Manufacturing Co., Chattanooga, Tenn.

Columbus Cotton Mills to Build.

Columbus, N. C.—Incorporated with a capital stock of \$100,000, the Columbus Cotton Mills, Inc., plan to build a yarn mill here at the foot of White Oak Mountain. The plant will be of brick and steel construction and will cost approximately \$75,000. It will be erected under the supervision of G. J. Nord, textile engineer, of Gastonia, N. C. Among those interested in the new enterprise are W. T. Hammett and F. L. N. Bacon of Tryon, N. C.; Fred W. Blanton, Columbus, and William P. Cargill of Cherryville, North Carolina.

To Double Capacity of Woolen Mills.

A woolen mill near Mt. Airy, heretofore operated as the Alpine Woolen Mills, has been purchased by the Sullivan Hardware Co. of Anderson, S. C., and G. G. Slaughter of Charlotte, N. C. Mr. Slaughter advises the MANUFACTURERS RECORD that it is planned to double the capacity of the plant and later the new operating company will be interested in a napping machine and looms for weaving roller cloth.

A charter has been secured by the Miltex Woolen Mills, Charlotte, capitalized at \$20,000, with authority to increase to \$100,000, for the operation of the plant. Officers of the company have not yet been chosen.

Big Expansion Program Under Way at Proximity Manufacturing Company's Plant.

Greensboro, N. C.—Concrete is now being poured for the foundations of new buildings at the Proximity Manufacturing Company's White Oak plant, general contract having recently been awarded the Fiske-Carter Construction Co., Greenville, S. C. The following improvements and extensions are included: Weave shed, 180 by 1140 feet, saw-tooth roof construction. All wood columns are to be removed and replaced with iron columns. All roof framing will be replaced with structural steel, and the entire roof over an area 180 by 1000 feet will be removed and in its place a new wood roof with 1½-inch cork insulation and Class A Johns-Mansville roofing will be placed. This work also includes replacement of all saw-tooth skylights with metal sash. The rest of the weave shop shed, 180 by 140 feet, will be covered with Class A Johns-Mansville roofing.

The principal materials for this project are being furnished by the following:

Cast iron columns, Paul Wright & Co., Birmingham, Ala.; structural steel, Carolina Steel & Iron Co., Greensboro, N. C.; skylights, David Lupton's Sons Co., Philadelphia, Pa., and roofing and insulation, J. A. Piper Roofing Co., Greenville, S. C.

At the print works a reinforced concrete building with monitor roof, one and two stories in height, will be erected to be used for dyeing and finishing. The dimensions are as follows: 102 by 437 feet, one-story with basement at the end, 37 by 102 feet, and 82 by 156 feet, two-story. The roof of this structure will be five-ply tar and gravel.

The principal materials are being furnished as follows:

Crushed stone, Bald Mountain Quarries, Inc., Lexington, N. C.; reinforcing steel, Kalman Steel Co., Atlanta, Ga.; cement, Clinchfield Portland Cement Co., through its representative, Proximity Mercantile Co., Greensboro; steel sash, David Lupton's Sons Co., Philadelphia, Pa., and roofing and metal work, J. A. Piper Roofing Co., Greenville, S. C.

J. E. Sirrine & Co. of Greenville, S. C., are the engineers for both the weave shed and the print works improvements.

To Electrify Unity and Hillside Mills.

Fuller E. Callaway, chairman of the board of the Hillside Cotton Mills and the Unity Cotton Mills, both at Lagrange, Ga., wires the MANUFACTURERS RECORD that these mills will be electrified and that plans and specifications for the improvements are being prepared by Robert & Co., Inc., Atlanta.

The Hillside mills are equipped with 30,000 spindles, 708 looms and 176 cards for the production of cotton yarns, ducks and similar specialties, while the Unity mills are equipped with 11,232 ring spindles, 2648 twisting spindles, 133 broad and 29 narrow looms for manufacturing heavy and numbered duck, hose and belting duck.

Installing Machinery in New Plant.

Installation of machinery in the new mill of the Corriher Mills Co. at Landis, N. C., is in progress, according to a letter to the MANUFACTURERS RECORD from George C. Bell, mill engineer and architect, Charlotte, who is in charge of the installation. The mill will be equipped with a total of 20,000 spindles, with individual motor drive, for the production of combed yarns. Practically all machinery has been delivered.

Plans Completed for New Building.

Rossville, Ga.—Plans have practically been completed for the mill building to be erected here by the Peerless Woolen Mills, J. L. Hutcheson, president and general manager. The building will be one story, approximately 460 by 140 feet. W. H. Sears of Chattanooga is the architect-engineer.

LUMBER AND BUILDING MATERIALS

Decreases Shown for the Week.

Washington, October 1.—Reports received by the National Lumber Manufacturers Association from 353 of the larger softwood mills of the country for the week ended September 26 indicated decreases in production, shipments and new business in comparison with reports from 369 mills a week earlier. In comparison with reports for the same period a year ago, when 19 more mills reported, a slight decrease in production was noted, while shipments and new business showed some increase.

The unfilled orders of 237 Southern Pine and West Coast mills at the end of last week amounted to 586,773,246 feet, as against 588,977,567 feet for 236 mills the previous week. The 130 identical Southern Pine mills in the group showed unfilled orders of 247,306,752 feet last week, as against 250,350,592 feet for the week before. For the 107 West Coast mills the unfilled orders were 339,466,494 feet, as against 338,626,975 feet for 106 mills a week earlier.

Altogether the 353 comparably reporting mills had shipments 105 per cent and orders 98 per cent of actual production. For the Southern Pine mills these percentages were, respectively, 110 and 105, and for the West Coast mills 108 and 106.

Of the reporting mills, 342 (having a normal production for the week of 214,380,196 feet) gave actual production 107 per cent, shipments 112 per cent and orders 105 per cent thereof.

The following table compares the national lumber movement as reflected by the reporting mills of seven regional associations for the three weeks indicated:

	Past Week	Corresponding Week 1924	Preceding Week 1925 (Revised)
Mills	353	372	369
Production	234,095,962	237,859,095	247,112,255
Shipments	246,368,043	236,601,036	253,443,333
Orders	228,383,502	228,188,261	249,315,090

The following revised figures compare the lumber movements of the seven associations for the first 39 weeks of 1925 with the same period of 1924:

	Production	Shipments	Orders
1925	9,363,519,658	9,292,201,011	9,127,914,500
1924	8,975,151,643	8,930,158,783	8,670,839,802
1925 Increase	388,368,015	362,042,228	457,074,698

The Southern Cypress Manufacturers Association, New Orleans, for the week ending September 23 reported from 16 mills a production of 6,151,331 feet, shipments 5,760,000 feet

and orders 6,720,000 feet. With two more mills reporting, this association showed substantial increases in production and shipments, while a considerable gain in new business was noted in comparison with their report for the previous week.

The Southern Pine Association reports from New Orleans that for 130 mills reporting, shipments were 9.72 per cent below production, while orders were 5.38 per cent above production and 3.95 per cent below shipments. Of the 119 mills reporting running time 96 operated full time, 26 of which noted overtime. Six mills were shut down and the rest operated from two to five and one-half days.

The North Carolina Pine Association of Norfolk, Va., with 15 fewer mills reporting, indicated notable reductions in all three items.

The Hardwood Manufacturers Institute of Memphis reported from 89 units production as 12,685,288 feet, shipments 14,309,318 and orders 16,471,950. The normal production of these units is 16,005,000 feet. There was a decline in production and orders and a small increase in shipments compared with last week.

To Utilize Sawmill Waste for Manufacture of Wallboard.

In a letter to the MANUFACTURERS RECORD, W. H. Mason of the Mason Fiber Co., Laurel, Miss., advises that the company has been incorporated in Delaware, but officers have not been elected. A plant will be built for manufacturing wallboard, insulating board and other products from sawmill waste.

New Market for Waste Stone.

Limestone and gypsum producers should welcome, as an outlet for their waste materials, the extension of the practice of dusting coal mines for the purpose of preventing coal-dust explosions, the Bureau of Mines points out. Many limestone producers are handicapped by an accumulation of fine materials which are hard to sell. Gypsum producers likewise may accumulate supplies of gypsum off color or impure, or gypsum mixed with anhydrite which cannot be marketed through the regular channels. For dusting material no careful selection according to rigid specifications is required, except that all the dust should pass

LUMBER MOVEMENT FOR THIRTY-NINE WEEKS, AND FOR WEEK ENDING SEPTEMBER 26.

	Production		Shipments		Orders	
	1925	1924	1925	1924	1925	1924
Southern Pine Association:						
Total	3,052,934,939	3,063,819,542	2,989,785,763	3,057,743,040	2,904,540,798	2,983,177,194
Week (130 mills)	70,216,335	77,012,634	70,040,640	77,999,820	73,996,800	81,574,455
West Coast Lumbermen's Ass'n:						
Total	3,898,175,343	3,599,319,493	4,075,259,490	3,773,613,809	4,036,228,675	3,665,152,738
Week (107 mills)	100,819,573	97,881,459	108,685,177	104,105,019	107,100,908	100,116,285
Western Pine Mfrs. Ass'n:						
Total	1,255,109,000	1,209,694,000	1,174,146,000	1,120,153,000	1,144,517,000	1,093,775,000
Week (35 mills)	36,233,000	30,508,000	30,852,000	27,378,000	21,934,000	19,650,000
California Redwood Ass'n:						
Total	291,704,000	333,198,000	271,924,000	267,954,000	272,369,000	265,025,000
Week (15 mills)	6,719,000	7,751,000	8,075,000	7,616,000	8,169,000	5,345,000
North Carolina Pine Ass'n:						
Total	342,285,856	294,697,108	329,548,158	293,041,334	271,258,027	259,131,870
Week (39 mills)	9,192,754	9,052,302	8,951,426	8,170,397	6,416,794	12,393,521
Northern Hemlock and Hardwood:						
(Softwood) Total	125,269,000	108,196,000	98,781,000	89,521,000	79,551,000	71,577,000
Week (18 mills)	2,975,000	5,042,000	2,387,000	1,934,000	3,238,000	1,468,000
Northern Pine Mfrs. Ass'n:						
Total	398,041,500	366,227,500	352,756,600	328,132,600	329,450,000	333,001,000
Week (9 mills)	7,940,300	10,611,700	10,376,800	9,397,800	7,528,000	7,641,000
General total for 39 weeks	9,363,519,658	8,975,151,643	9,292,201,011	8,930,158,783	9,127,914,500	8,670,839,802
California White and Sugar Pine:*						
Total	842,766,000	748,203,000	783,584,000	595,718,000	676,383,000
Week (8 mills)	9,464,000	21,744,000	7,390,000	14,467,000	8,235,000	12,394,000
General Total for Week	234,095,962	237,859,095	246,368,043	236,601,036	228,383,502	228,188,261

*Revised figures not included in general totals. Represents about 77 per cent total production California pine region.

through a 20-mesh, and that 50 per cent should pass through a 200-mesh screen, and, therefore, waste materials could be sold at low cost. Thus the general application of rock dusting would not only tend to abate greatly the menace of dust explosions, but would create a market for waste materials of the limestone and gypsum industries. As low cost is an essential requirement of rock dusting, this market might not be particularly profitable, but it would at least provide a local outlet and a small return for material that must often bear the cost of handling with no return.

Building \$1,000,000 Creosoting Plant.

Basil E. Kennedy, vice-president of W. P. Brown & Sons Lumber Co., Inc., Fayette, Ala., wires the MANUFACTURERS RECORD that his company is erecting a modern two-cylinder creosoting plant at its Red Valley lumber mill for the purpose of treating ties, telegraph and telephone poles, piling and lumber. Practically all raw material will be obtained from the company's mills and timber lands in Fayette and Tuscaloosa counties. Grant B. Shipley of Pittsburgh, Pa., is the chief engineer in charge of construction.

Firms supplying equipment for the plant include Reeves Brothers Co. and Machine Steel Casting Co., both of Alliance, Ohio; Southern Construction Co., Birmingham; Walsh & Weidner Boiler Co., Chattanooga; Ingersoll-Rand Co. and Chicago Bridge & Iron Works, both of Chicago; Power Equipment Co. and Rossing Manufacturing Co., both of Pittsburgh.

It is reported that the company will expend about \$1,000,000 on the plant and other improvements.

Fire-Damaged Timber Salvaged.

New Orleans, La., October 1—[Special.]—Practically all timber damaged by fire and drouth in the past year in the South has been salvaged, according to members of the Southern Logging Congress, in session here last week. Considerable interest has been manifested lately by individuals interested in Southern timber as to the actual damage done, and a canvass of loggers was made by the Southern Pine Association to determine the loss in each locality.

The loss in matured timber in the South, based on reports of the three Southern states employing foresters—Texas, Louisiana and Mississippi—which was 9 per cent, 16 per cent and 19 per cent, respectively, of the total, brings an average of about 15 per cent.

Bankers Association Elects New Officers.

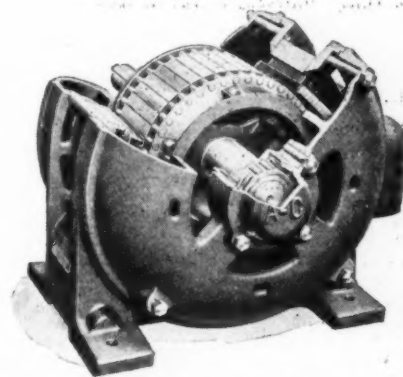
Oscar Wells, president of the First National Bank, Birmingham, Ala., was elected president of the American Bankers Association at the annual convention held last week in Atlantic City, N. J. Melvin A. Traylor, president of the First Trust and Savings Bank and also of the First National Bank of Chicago, Ill., was elected first vice-president, and Thomas R. Preston, president of the Hamilton Trust and Savings Bank of Chattanooga, Tenn., was elected second vice-president. W. C. Wilkinson, president of the Merchants and Farmers Bank of Charlotte, N. C., was elected president of the national bank division of the Association; Francis H. Sisson, vice-president of the Guaranty Trust Co. of New York city, was elected president of the trust company division; Thomas F. Wallace, treasurer of the Farmers and Mechanics Savings Bank of Minneapolis, Minn., was elected president of the savings bank division; Alexander Dunbar, vice-president and cashier of the Bank of Pittsburgh, Pa., was elected president of the clearing-house section, and Eugene P. Gum of Oklahoma City, Okla., was elected president of the state secretaries' section; he is secretary of the Oklahoma Bankers Association.

MECHANICAL

Induction Motors With Roller Bearings.

The accompanying picture shows one of a new complete line of 25 and 60 cycle squirrel-cage and slip-ring induction motors equipped with Timken tapered roller bearings, this being a sectionalized view to reveal the manner in which the bearings are used. This line of motors has been brought out by

the Allis-Chalmers Manufacturing Co. of Milwaukee, Wis., after two years of experimental and development work, and is in addition to their well-known line of sleeve-bearing motors. This type of bearing is used, it is stated, because of its ability to withstand heavy radial and thrust loads without undue heating



MOTOR SHOWING BEARINGS.

or appreciable wear. It is suited to heavy service and will run satisfactorily at high speeds.

Grease is used. Lubrication is therefore simple and it demands infrequent attention. The bearings have grease-tight enclosures which exclude dirt or abrasive matter, and their mountings are simple. As there is not any lock nut, removal of the bearings is quick and easy.

Special attention has also been given to other features of design. The frame is of steel with feet cast integral so that it can withstand the shocks experienced in use with the company's crushers, grinders, pumps and other machinery. In applying the motors to centrifugal pumps very often severe conditions of moisture are encountered, and to provide against such the coils are thoroughly insulated and are baked in a waterproof varnish. Furthermore, because in sawmills, flour mills and cement mills motors have to operate in dusty places, their ventilation is arranged to successfully meet those conditions. Besides, the ventilating openings in the housings and the frames are vertically placed so that anything cannot fall into the motor. The motors are made in various capacities from 200 horsepower downward.

Foreign Trade Council to Meet in South.

With an assertion that the South is succeeding the West as the most rapidly growing section of the United States in origination of American foreign trade, the National Foreign Trade Council announces that the thirteenth annual convention of that organization will be held at Charleston, S. C., April 28 to 30, 1926. Approximately 1500 delegates are expected to visit the city and to tour the cotton-mill towns and see the steel plants and new Southern port developments—industries described as having given impetus to the South as a factor in international commerce. This convention is said to mark the first great national convention at Charleston since the Democratic convention in 1860, which refused to nominate Stephen A. Douglas as the party candidate for President.

The Palm Beach Mortgage Corporation, George W. Pratt, president, of Palm Beach, Fla., plans to erect 600 dwellings in that city, construction to begin at once.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.
An asterisk (*) following an item indicates that the enterprise has been reported in a preceding issue.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$20.00 a year.

Bridges, Culverts and Viaducts

Proposed Construction

D. C., Washington—Lieut.-Col. C. O. Sherrill, Supt. of Public Buildings and Parks, plans receiving bids before Nov. 15 for 10 piers and abutments of main bridge, and abutments for 3 secondary bridges, from rock to springing line of arches.*

Fla., Key West—Monroe County will build 3 bridges. See Roads, Streets, Paving.

Fla., Miami—Dade County Comms. will let contract soon for causeway from mainland on Seventy-ninth St., known as Everglades Ave., to peninsula over various islands to be built in Biscayne Bay; voted bonds recently; will sell bonds; T. A. Winfield, Chmn., Everglades Ave. Causeway Assn.*

Fla., Quincy—Gadsden County Comms. receive bids Oct. 15 for 225-ft. bridge over Ocklocknee Creek, near Fairbanks Ferry.

Fla., St. Augustine—City Comm., plans bridge over North River, connecting North Beach and St. Augustine; Peter Kendrick, City Engr.

Fla., Tampa—Hillsborough County Comms. receive bids Oct. 27 to reconstruct 4 bridges; Six-Mile Creek, Palm, Alafia, and Little Manatee Rivers, on Bayshore road; A. B. Pimm, County Engr.

Ga., Savannah—Coastal Highway Comm. plans 2 bridges. See Construction News—Roads, Streets, Paving.

Louisiana—Louisiana Highway Comm., will build 2 bridges. See Roads, Streets, Paving.

La., Alexandria—Rapides Parish Police Jury plans bridge over Red River at Boyce; voted \$160,000 bonds.*

La., Jonesville—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, plans 2 bridges across Black River at Jonesville and over Little River; W. B. Robert, State Highway Engr.

Md., Rockville—See Roads, Streets, Paving.

Miss., Meadville—Franklin County Board of Supvs. receives bids Oct. 6 for 6 creosoted bridges on Meadville and Brookhaven graveled highway, between Meadville and Franklin County line; plans from State Highway Dept., Jackson.

Mo., Independence—City plans building viaduct on Pine St., in South Englewood Dist.

North Carolina—Southern Ry. System, R. Hayes, Structural Engr., Washington, D. C., plans 131-ft. bridge at Curtis Creek, near Old Fort, and rebuild piers at Salisbury end, also 50-ft. plate girder across Shut-in Creek, between Hot Springs and Paintrock, replace present bridge.

N. C., Winston-Salem—Southern Ry. System, R. Hayes, Structural Engr., Washington, D. C., plans 625 ft. bridge across Yadkin River, near Idols, between Winston-Salem and Charlotte.

Okla., Kingfisher—County plans building 4 concrete bridges: 12 mi. northeast of Kingfisher; on road to Guthrie, 3 mi. east of County line; between Kingfisher and Loyal; on Meridian highway near Kingfisher. Address County Comms.

South Carolina—State Highway Dept. will build 2 bridges. See Roads, Streets, Paving.

South Carolina—Southern Ry. System, R. Hayes, Structural Engr., Washington, D. C., plans 128-ft. bridge over Broad River, near Shelton, between Columbia and Spartanburg; replace 169-ft. Cedar Creek Bridge, near Montgomery, with new riveted truss spans, heavier construction; new concrete piers and 160-ft. deck truss span installed at Bullock's Creek, near Sharon, between Kingsville and Marion; all bridges fabricated by Virginia Bridge & Iron Co., Roanoke, Va.

South Carolina—State Highway Dept., Co-

lumbia, will build 7 bridges. See Roads, Streets, Paving.

S. C., Abbeville—State Highway Dept., Columbia, S. C., and State Highway Comm., East Point, Ga., will let contract latter part of Oct. or first part of Nov. for bridge across Savannah River at Burden's Ferry connecting Abbeville and Elberton Counties.

S. C., Columbia—State Highway Comm., Columbia, will receive bids soon for reinforced concrete and steel bridge over Congaree River at Columbia, approximate cost \$500,000; Samuel McGowan, State Highway Commr.

S. C., Columbia—Charles E. Allen, Charleston, promoter of Isle of Palms development, interested in building bridge from Sullivan's Island to Isle of Palms; Samuel McGowan, State Highway Commr., Columbia.

Tex., Austin—City, W. R. Yett, Mayor, and International & Great Northern Ry. Co., P. J. Neff, Genl. Mgr., Houston, plan construction underpass at I. & G. N. Ry. crossing on W. Sixth St., widening present opening, raise tracks, excavate for additional opening, etc., estimated cost \$10,500; G. E. Leonard, City Engr.

Tex., Bellville—See Roads, Streets, Paving.

Tex., Llano—State Highway Dept., Austin, receives bids Oct. 9 to repair Llano River Bridge; plans from R. J. Hank, State Highway Engr.

Tex., Meridian—Bosque County, B. F. Ward, County Judge, State Highway Dept., G. G. Wickline, Bridge Engr., Austin, and G. C. & S. F. Ry. Co., W. E. Maxson, Asst. Gen. Mgr., plans overpass across G. C. & S. F. Ry. Co. tracks, on State Highway No. 67, north of Meridian, estimated cost \$18,500.

Tex., New Braunfels—Comal County, Carl Roeper, County Judge, receives bids Nov. 1 for steel and concrete bridge, between New Braunfels and Landa Park, estimated cost \$50,000; Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio.

Tex., San Angelo—Bexar County, Augustus McCloskey, County Judge, plans 9 reinforced concrete and steel bridges in county; A. C. Pancoast, County Engr.

Va., Fredericksburg—Richmond, Fredericksburg & Potomac R. R., E. M. Hastings, Ch. Engr., Richmond, plans building bridge across Rappahannock River; L. J. Houston, City Mgr.

Va., Hopewell—City, Roy S. Braden, City Mgr., receives bids Oct. 13 for 100-ft. 24-ft. wide reinforced concrete bridge over Norfolk & Western Ry. tracks, at Bridge St.; steel-concrete floor; plans on file; L. A. Sims, City Engr.*

W. Va., Huntington—City Comms. plan expending \$60,000 for Madison Ave. Bridge, 700 ft. concrete; replace timber bridge.

Contracts Awarded

Ala., Heflin—Comms. Court of Randolph and Cleburne Counties, D. S. Baker, Chmn., let contract to Austin Bros. Bridge Co., Mickleberry St., Atlanta, for 10-ton steel bridge over Little Tallapoosa River.*

Arkansas—State Highway Comm., Little Rock, let contracts for 4 bridges: Craighead County, over Cache River, J. W. Covington, Benton, \$5979; Madison County, 3 concrete bridges, Meyer & Greenwald Construction Co., Ouachita Bank Bldg., Monroe, La., \$28,088.*

Fla., Tampa—Hillsborough County Comms. let contract to General Construction Co., 408 Pine St., St. Louis, Mo., at \$699,000, for causeway to span Hillsborough Bay.*

La., Bastrop—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, let contract to Newsom Bros., Goss, Miss., for bridge across Lake Lafourche, near Eason Ferry, on Bastrop-Rayville highway.*

Tex., Anderson—Grimes County, Ralph W.

Barry, County Judge, let contract to J. F. Buckner & Son, Austin, for bridges and culverts on 2 roads: 7 mi. Anderson-Piedmont; 4 mi. Anderson-Grimes Prairie.*

Tex., Anderson—Grimes County, Ralph W. Barry, County Judge, let contract to J. F. Buckner & Son, 705 W. 34th St., Austin, for bridges and culverts on 5 roads: 5.2 mi. Stoneham-North; 7½ mi. White Hall Retreat; 7½ mi. Anderson-Plantersville; 6.1 mi. Anderson-Richards; 10 mi. Anderson-Carlos.*

Tex., Beaumont—Jefferson County, B. B. Johnson, County Judge, let contracts at \$7735 for addition to Neches River Bridge; Beaumont Construction Co., Beaumont; C. E. Rogers; Eastern Texas Electric Co., 366 Liberty St., Beaumont.*

Tex., Fort Worth—Texas & Pacific Ry., E. F. Mitchell, Ch. Engr., Dallas, let contract to American Bridge Co., 71 Broadway, New York, for 123 tons steel for bridge at Fort Worth.

Va., Lynchburg—Atlantic Bridge Co., Box ley Bldg., Roanoke, awarded contract at \$5420 for bridge over Beaver Creek, between Lynchburg and Concord, Route 10.

W. Va., Huntington—City Comms., H. H. Fielder, City Clk., let contract to Thomas Co., Inc., First Natl. Bank Bldg., Huntington, at \$5320 for 60-ft. span reinforced concrete bridge across Four Pole Creek on Harveytown road.*

W. Va., Weirton—T. J. Foley Co., 424 4th Ave., Pittsburgh, Pa., awarded contract at about \$35,000 to reconstruct undergrade highway bridge.

Canning and Packing Plants

Tenn., McMinnville—Warren County Canning Co., F. J. Winton, Mgr., reported to enlarge plant, doubling capacity..

Clayworking Plants

Mo., Kansas City—Blue-Vale Brick Co., incorporated; Fred W. Lewis, 5502 Charlotte St.

Coal Mines and Coke Ovens

Alabama—I. E. Boyette, Birmingham, Ala., reported interested in \$150,000 development of timber, coal and other minerals in Blount County.

Ala., Tuscaloosa—See Lumber Enterprises.

Ky., Covington—Process Fuel Co., capital \$50,000, incorporated; E. O. Martin, W. G. Eaton.

Ky., Prestonburg—Old Hickory Coal Co., capital \$25,000, incorporated; A. J. May, A. J. May, Jr.

W. Va., Fairmont—Wise Pocahontas Coal Co. increased capital, \$50,000 to \$100,000.

W. Va., Fairmont—Coal Run Coal Co. increased capital, \$300,000 to \$500,000.

W. Va., Huntington—Logan Block Coal Co., capital \$125,000, incorporated; A. J. Dalton, 832½ 5th Ave., John A. Kelley.

Concrete and Cement Plants

La., New Orleans—Rennod, Inc., chartered; Edward J. Donner 549 Pacific Ave., Charles J. Donner, 604 Elmyra St.; manufacture concrete tanks, blocks, etc.

La., New Orleans—International Art Concrete House Co., Inc., capital \$25,000, chartered; Louis Hufft, 808 Perdido St.

N. C., Morehead City—Bogue Supply Co., Bogue Park, let contract for 40x125-ft. building, concrete, composition roof; install \$10,000 machinery to manufacture concrete products; L. L. Mallard, Archt.; L. O. Pickering, Const. Engr.* (See Machinery Wanted—Concrete Products Machinery.)

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Tenn., Clarksville—J. W. Taylor of the Taylor Sand & Gravel Co., reported establish concrete manufacturing plant.

Cottonseed-Oil Mills

N. C., Warrenton—M. C. Winston will organize company, install 2 press mill, fertilizer mixer, etc. (See Machinery Wanted—Scales; Fertilizer Mixer; Trucks; Cottonseed Oil Machinery.)

Tenn., Memphis—R. L. Taylor, Grenada Cotton Compress Co., Grenada, Emmett Rice, Dyersburg, reported planning organization of company to supplant the National Cottonseed Products Corp., and to refinance.

Cotton Compress and Gins

Ga., Bainbridge—L. C. Brown contemplates doubling capacity of gin.

Mo., Harviell—Ark-Mo Cotton Co., capital \$15,000, incorporated; F. W. Cox, J. W. Crabtree.

S. C., Great Falls—Great Falls Farms Co., T. W. Ruff, will reconstruct burned cotton gin, daily output 35 bales; corrugated iron, 26x50 ft., tin shingle roof, cement floors; will install 3-70 saw gins, hydraulic press, seed auger; Chester Machine & Lumber Co., Chester, Gen. Contr.; Lummus Gin Co., Columbus, Ga., Machy. Contr.*

Drainage, Dredging and Irrigation

Fla., Tampa—Dredging—See Roads, Streets, Paving.

Fla., Frostproof—C. V. Turner of Bartow will probably be Chief Engr. for proposed drainage district to reclaim approximately 50,000 acres, between Lakes Livingston and Arbuckle, Lake Reedy, Riger Creek, along Blue Jordan Creek, and to the east; also between Crooked Lake to the west, side of Lake Clinch; Mr. Turner advises: "Proposition in preliminary stages; no definite plan has been made and will not until district has been organized."

Fla., Sebring—Board of Supvrs. for Istokpoga Sub-Drainage Dist. contemplates reclaiming 100,000 acres in Highlands County; 4,250,000 cu. yds. excavation.

La., Baton Rouge—See Miscellaneous Construction.

La., New Orleans—See Water Works.

Okla., Dewey—H. F. Tyler and associates, interested in drainage system, reclaiming the Coney river bottom land adjacent to Dewey; asks for Federal and County aid.

Tex., Beaumont—Reynolds Dredging Co. has contract to dredge in the Neches River from Blands bend at head of Proctor St. in Port Arthur up to the locks in the Neches River here; Geo. D. Anderson, Chrmn. of Waterway Board.*

Tex., Orange—Orange County contemplates bond issue of \$700,000 to \$1,000,000 for irrigation work, Orange Irrigation Canal Co. making survey; Dewitt C. Bennett, County Judge.*

Tex., Pearsall—John S. Fenner, 115 Costello St., San Antonio, has permit to construct Frio river dam; irrigate 40,000 acres in Uvalde County; dam located about 20 mi. above Knapka; estimated cost \$1,750,000.*

Tex., Seymour—Brazos Valley Water Improvement Dist. Co. organized; G. S. Plants, Pres.; E. W. McGlohylin, Sec., contemplates building dam $\frac{3}{4}$ mile long, about 122 ft. high; build reservoir at junction of the Salt and Double Mountain fork of Brazos River; reclaim land in Knox, Haskell, Archer, Baylor and Young Counties; R. A. Thompson, Engr., 3824 Gillan St., Dallas, and C. S. Clark of Austin, member of State Board of Engrs.*

Tex., Waco—J. Lee Davis, 2503 Austin Ave., has permit to irrigate 1042 acres land, water drawn from Brazos river.

Electric Light and Power

Ala., Bessemer—See Land Development.

Ala., Birmingham—Birmingham Electric Co., 2100 First Ave., reported to have \$3,500,000 improvement program; has permit for \$10,000 pump house at gas plant, engine room and sub-station.

Ark., Blytheville—Arkansas-Missouri Power Corp., 165 Broadway, New York, reported to have begun construction of high-power line from plant at Walnut Ridge to Blytheville and Corning; A. J. Kohler, Constr. Engr.*

Ark., Siloam Springs—Charles Page, Mid-Continent Bldg., Tulsa, and Sand Springs, Okla., reported to have completed plans for dam to be erected across Flint Creek at Beck's Mill, 12 miles from Beck's Mill, also dam on Osage Creek; acquired sawmill and 100-acre farm; will install other mills to furnish lumber for buildings.

Florida—Tampa Electric Co. let contract to Stone & Webster, Inc., Boston, Mass., for construction of 66,000-volt transmission line to Mulberry and Winter Haven, distance of 45 miles; are also constructing 66,000-volt line, 35 miles long, interconnecting Tampa Electric Co. with Pinellas County Power Co. and Florida Power Co., Tarpon Springs.*

Fla., Avon Park—See Land Development.

Fla., Blountstown—J. B. Halley & Co. contemplate power development on Ten-Mile Creek, about 10 miles from Blountstown.

Fla., Brooksville—See Land Development.

Fla., Cocoa—See Land Development.

Fla., Daytona—See Land Development.

Fla., Fort Meade—See Water Works.

Fla., Jacksonville—See Land Development.

Fla., Lake Butler—See Land Development.

Fla., Orlando—See Land Development.

Fla., Panama City—See Water Works.

Fla., St. Augustine—See Sewer Construction.

Fla., Sebring—See Land Development.

Fla., St. Cloud—City will extend white-way street lighting system. Address the Mayor.

Fla., Stuart—Florida Power and Light Co., 27 N. W. First St., Miami, C. H. Ellis, Gen. Mgr., reported planning \$50,000 improvements to service.

Fla., Tampa—See Roads, Streets, Paving.

Fla., Wauchula—City, W. N. Tonkin, Engr., let contract to Western Electric Co., 403 West St., New York, for white way system, 80 single light white way posts.*

Ga., Atlanta—East Georgia Power Co., subsidiary of Georgia Railway and Power Co., applied to Georgia Public Service Comsn. for permission to issue \$1,000,000 in par value stock.

Ga., Cloudland—See Land Development.

Ga., Milledgeville—Georgia Southern Power Co., F. R. Weller, Pres., Washington, D. C., reported planning improvements, install steam turbine.

Ga., Sparta—Georgia Southern Power Co., F. R. Weller, Pres., Mills Bldg., Washington, D. C., reported to construct transmission line across Hancock county.

La., New Iberia—City, Ed LaSalle, Mayor, receives bids Nov. 23 for leasing franchise for 25 years for operation of electric light, power and water works and for purchase of all properties now used in connection with municipal plans of character designated.

Maryland—National Public Service Corp., Benenson Bldg., 165 Broadway, New York, reported acquired plant of Eastern Shore Gas & Electric Co., providing light and power to 32 communities in Maryland and Delaware.

Md., Baltimore—Consolidated Gas Electric Light & Power Co. will erect 2-story brick addition S. E. cor. Kloman St. and W. M. R. R.; cost \$13,000.

Md., Leonardtown—Wm. F. Cecil applied to Public Service Comsn., Baltimore, for authority to construct electric power plant.

Miss., Yazoo City—Interstate Electric Co., 356 Baronne St., New Orleans, La., has contract for installing white way system.*

Mo., Jasper—K. W. Green acquired power plant.

N. C., Asheville—See Land Development.

N. C., Brevard—See Land Development.

N. C., Hendersonville—See Land Development.

N. C., Huntersville—Bethel Electric Light Line Co., capital \$450,000, incorporated; J. C. Bustle, Bettie Jetton.

N. C., Sanford—Carolina Power & Light Co. reported to construct hydro-electric plant of 40,000 h.p.; company wires: "No details of plant at present available for publication."

N. C., Warrenton—City votes Oct. 19 on ratifying sale to Carolina Power and Light Co., Raleigh, of electric light plant and equipment.*

N. C., Winston-Salem—R. J. Reynolds Tobacco Co. let contracts for purchase of equipment to be installed in additional steam electric power plant providing for increased capacity of 40 per cent in h.p., cost \$350,000; building will consist of boiler room and turbine room with basement, reinforced concrete; J. E. Sirrine & Co., Greenville, S. C., Engrs.; for turbo-generator to General Electric Co., Schnectady, N. Y.; for boilers to Edge Moor Iron Co., Edge Moor, Del.; for stokers to Riley, Sanford Stoker Co., Worcester, Mass.; condenser and cooling tower, C. H. Wheeler Mfg. Co., Lehigh and Eighteenth St., Phila., Pa.; heater, etc., Warren Webster Co., Camden, N. J.; for chimney, Alphons Custodis

Chimney Construction Co., 95 Nassau St., New York.*

Tenn., Columbia—Southern Cities Power Co., care Southern Cities Utilities Co., Chattanooga, reported planning extension of power lines.

Tenn., Nashville—Cumberland Power Co., capital \$50,000, incorporated; Wm. D. Rose, Independent Bldg., Guy L. Smith.

Tenn., Williamsport—Cumberland Power Co., care Tennessee Electric Power Co., Chattanooga, reported to develop hydro-electric plant, including dams on Duck River.

Tex., Asherton—See Water Works.

Tex., Austin—University of Texas, Dr. W. Battle, Chrm. Committee, reported to expend \$200,000 for power building.

Tex., Austin—See Land Development.

Tex., Gonzales—Midwest Utilities Co., Frost Bldg., San Antonio, will construct dam across Guadalupe River, earth and reinforced concrete, cost \$100,000; \$125,000 power house, brick and reinforced concrete; high-power transmission line from Gonzales to Cuero, cost \$150,000.*

Tex., Houston—Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa., has contract at \$31,184 for electric sub-station at grain elevator at Port Houston; will reduce electric current of 2300 volts from power plant to 440 and 220 volts.

Tex., Lamesa—West Texas Electric Co. acquired light equipment and will install additional lights.

Va., Radford—New River Development Co., subsidiary of Appalachian Power Co., Bluefield, W. Va., contemplates building dam on New River 2 miles above Radford.

Va., Richmond—Stone & Webster, Inc., 147 Milk St., Boston, Mass., lately noted acquiring Virginia Railway & Power Co., reported to expend \$12,000,000 for improvements in hydro-electric power plants on James, Rapahannock and Appomattox Rivers. Wm. C. Bell, Gen. Mgr. and Ch. Engr., advises: "We have not as yet any mature plans as to our hydro-electric program, are now surveying several sites, but have not determined definitely extent of work or dates when work will be started."*

Fertilizer Plants

Md., Baltimore—The Summers Fertilizer Co., Inc., Stock Exchange Bldg., A. M. Ingram, V.-P., will rebuild burned plant at Fifth Ave. and Clinton St.; daily output 600 tons commercial fertilizer; steel construction, 204x237 ft.; slow-burning composition roof; install two 80-ft. bridge cranes and 4 modern shipping units; cost of building \$200,000.*

N. C., Wilmington—East Coast Fertilizer Co., capital \$100,000, incorporated; B. F. Keith, 1914 Pender Ave., David H. Scott.

S. C., Columbia—Crown Fertilizer Co., capital \$15,000, incorporated; Frank M. Schirmer, Palmetto Bank Bldg.; J. J. Schirmer.

S. C., Greenville—Powhatan Guano Co., capital \$100,000; incorporated; Charles V. Albright, James B. Caldwell.

Flour, Feed and Meal Mills

Md., Westminster—E. H. Sharretts and J. H. Allender acquired grain elevators at Detour and Keymar; will operate, probably convert into flour mill.

Okla., Altus—Altus Grain and Feed Co., incorporated; B. M. Miller and C. C. Miller.

Okla., Fairview—Fairview Mill and Elevator Co., capital \$10,000, incorporated; Fred Kobus, T. B. Bohlen.

Okla., Oklahoma City—Belt Mill and Grain Co., 2100 S. Robinson St., increased capital to \$10,000.

Va., Lawrenceville—J. W. Upchurch will install roller mill on Meherrin River; four stand roller mill with capacity of 50 bbls. flour daily, 48-in. corn mill, grinding 200 bu. meal daily, and possibly feed mill.

Foundry and Machine Plants

Mo., Kansas City—Tanks—Black, Sivles & Bryson Manufacturing Co., capital \$200,000, incorporated; A. H. Black, 7500 E. Tenth St.

Mo., St. Louis—St. Louis Reaming Tool Co., 3217 Alfred Ave., incorporated; Albert Hoese, J. D. Young.

Tex., San Antonio—Harry Rogers, Chrmn. of Special Committee, reported interested in probable removal of automobile valve plant to San Antonio from Battle Creek, Mich.

W. Va., Westmoreland—A. F. Thompson, Pres., A. F. Thompson Manufacturing Co., Eighth Ave. and First St., Huntington, reported contemplates purchasing plant of the Saks Stamping Co., to continue the manufacture of enamel ware, also equip for making stoves under the Thompson patents.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Gas and Oil Enterprises

Ark., Camden—Gilliland Oil Co. reported to expend \$600,000 for casing-head gasoline plant at Carbondale. Company wires: "Plans Carbondale, Ark., plant incomplete."

Ark., El Dorado—Magnolia Oil Development Co., capital \$60,000, incorporated; Leonard W. Preston, Edward H. Coulter.

Ark., Jonesboro—United Power Corp., lately granted franchise, will erect gas manufacturing plant.

Ark., Little Rock—Magna Pipe Line Co., capital \$25,000, incorporated; J. Olsan, John Bruce Cox.

Ark., Little Rock—Magna Producing Co., capital \$100,000, incorporated; J. Olsan, John Bruce Cox.

La., Bastrop—General Construction Co. reported contemplating construction of pipe line from Bastrop to Baton Rouge.

La., Napoleonville—Himalaya-Georgia Oil & Gas Co., capital \$50,000, incorporated; Emile Sundberry, J. L. Lynch.

La., Shreveport—Tylong Oil and Gas Co., organized by E. R. Ratcliff, Giddens Lane Bldg., and others; drill gas well in Waskom, Tex., supply natural gas to Longview and Tyler.*

Md., East Brooklyn—Mexican Petroleum Corp. will erect steel tank S. E. side First Ave.; cost \$62,000; Riter Conley Co. Archt. and Builder, 200 Scott St., Baltimore.

Okla., Blackwell—Producers and Refiners Corp. is remodeling plant, increasing capacity to 3500 bbls. daily.

Okla., Wewoka—Ohio Fuel Oil Co. reported acquired plant of Wewoka Gas Co.; will enlarge.

Tenn., Kerrville—Main Oil and Gas Co., capital \$250,000, incorporated; L. C. Whitten, J. H. Narrett.

Tex., Corpus Christi—City purchased 22,000 ft. of 6-in. high-pressure wrought iron pipe from H. Freeze, Houston, for extension of pipe lines.

Tex., Lagrange—See Water Works.

Tex., Ozona—Ozona Development Co., capital \$10,000, incorporated; P. L. Childress, Tom Nolen.

Tex., San Antonio—Plateau Oil Co., capital \$10,000, incorporated; Ned Ball, C. R. Awbrey, 146 Dunning St.

Va., Danville—See Land Development.

Va., Lynchburg—Lynchburg Traction and Light Co., 523 Main St., will erect \$50,000 gas holder on Blackwater Creek.

Ice and Cold-Storage Plants

Fla., Bushnell—C. M. Carn and D. D. Elliott will construct ice plant, creamery and cold-storage plant; daily capacity 15 tons ice.

Fla., Clearwater—Public Utilities Co., Inc., Ed. A. Haley, Pres., contemplate building combined ice plant, dry cleaning and laundry establishment; daily output 50 tons ice; install latest equipment in laundry, etc.; Robert F. Smallwood, Archt.

Fla., Cross City—Jesse Jeffords let contract to W. G. Eager, Valdosta, Ga., for ice storage plant; brick, stucco finish; refrigerating machinery furnished by Baker Ice Machine Co., Inc., Omaha, Neb.

Fla., Madison—Madison County Power Co. let contract to W. G. Eager, Valdosta, Ga., for 16-ton capacity ice-making and cold storage plant, brick; machinery installed by Baker Ice Machine Co., Inc., Omaha, Neb.

Fla., Perry—The Taylor County Power Co. let contract to W. G. Eager, Valdosta, Ga., for 25-ton capacity raw water ice and cold storage plant; Spanish type building; ice and refrigerating machinery furnished by Baker Ice Machine Co., Inc., Omaha, Neb.

Fla., West Palm Beach—Ellis Altman, care of Lahnart & Potter, reported, interested in construction of \$1,250,000 cold storage plant, in connection with wholesale market; proposed group of buildings to have 1,500,000 cu. ft. space; first unit to contain ice plant, with daily capacity of 200 tons; Harvey & Clark, Archts.

Ga., Ocilla—The Ocilla Ice Co. let contract to W. G. Eager, Valdosta, for plant improvements, double capacity; compressors furnished by Baker Ice Machine Co., Inc., Omaha, Neb.

Miss., Philadelphia—Mitchell & Peebles Ice Co. will erect addition to plant, daily capacity 20 tons; machinery and supplies purchased.

N. C., Asheville—Electric Ice Co., 236 Valley St., will erect 60x105-ft. plant addition, hollow tile, concrete floors, built-up roof; install 50-ton daily capacity ice plant,

to be furnished by Arctic Ice Machine Co., Canton, Ohio; C. T. Baker, Archt., 1526 Candler Bldg., Atlanta, Ga.; John Homney, Const. Engr., 236 Valley St., Asheville.*

S. C., Hampton—Hampton Ice Co. will erect 20-ton capacity ice plant, electrically driven.

Tex., Asherton—See Water Works.

Tex., Harlingen—Valley Electric & Ice Co. let contract to Sumner Sollitt Co. at \$22,722 for 1-story ice plant, brick, stucco and concrete; John Marriott, Archt., Frost Bldg., San Antonio.*

Tex., Kingsville—Texas Central Power Co., Frost Bldg., San Antonio, let contract to Sumner Sollitt Co. at \$40,000 for ice plant, 1-story, brick, concrete and steel; John Marriott, Archt., Frost Bldg.*

Tex., Luling—Texas Power & Light Co., Int. Bldg., Dallas, will electrify ice plant, install electric driven motor, etc.

Tex., Pleasanton—Pleasanton Electric & Ice Co. let contract to Sumner Sollitt Co., Nat'l Bank of Commerce Bldg., San Antonio, at \$17,515, for 1-story, brick and concrete; Marriott, Archt., Frost Bldg., San Antonio.

Tex., San Benito—Valley Ice & Electric Co. will erect icing dock and additional storage space, increasing plant capacity 100 tons.

Land Development

Ala., Bessemer—Tennessee Coal, Iron and Land Co. may develop town for employes; install electric lights; let contract to Alabama Water Co. for laying water mains.

Ala., Birmingham—W. D. Smith, representing trust department of Birmingham Trust and Savings Co., reported interested in development of 45 acre subdivision.

Ala., Mobile—Land Investment Co. incorporated; S. P. Gaillard, Jr., 60 N. Monterey St.; John B. Easley.

Ark., Marianna—A. L. Keller of Elaine, will develop 1440 acre subdivision.

Ala., Montgomery—Montala Investment Co., incorporated; H. W. Stephens, J. P. Wagner.

Ark., Fort Smith—Lions Club, W. H. Bruce, Chrm., Tourist Park Committee, is developing tourist park of 6 acres; install natural gas and electricity; camp cottages; Mr. Butterfield, Landscape Archt. for M. O. P. Ry. Co.*

Ark., Siloam Springs—J. K. Livingston, Tulsa, Okla., is developing Forest Park subdivision.

Fla., Apalachicola—F. A. Hoffman will develop 16 acre tract.

Fla., Arcadia—Del Verde Interstate Realty Associates, 30 W. Forsyth St., Jacksonville, will develop Del Verde, industrial city; install water, sewers, electric lights, roads.

Fla., Avon Park—W. H. Thom, Wausau, Wis., interested in organizing Pinecrest Lakes Co., with Col. R. P. Davidson, Pres.; develop 500 acre subdivision on Lake Lotella; will soon let contract for surfacing highways; install water, sewers, electric lights; Bertie Way and A. D. Taylor Offices, Woolworth Bldg., Orlando, reported to be Archts. for golf course.

Fla., Avon Park—Frank Nielson, 15 E. 28th St., New York, and associates, acquired 4190 acres in Scenic Highlands; will develop.

Fla., Boca Raton—Wm. F. Flynn of Ardmore, Pa., and Donald Ross, Southern Pines, N. C., are designing three golf courses at Mizner Development.

Fla., Boca Raton—G. Frank Croissant, 116 S. Michigan Ave., Chicago, Ill., and Fort Lauderdale, will develop 3300 acre subdivision.

Fla., Brooksville—Capt. E. A. Salisbury and E. H. Hammond will develop Munden Hill subdivision, install roads, streets, sewers, water, electric lights.

Fla., Cocoa—Marvin D. Goodrich of New York and Miami, will develop subdivision.

Fla., Cocoa—Southeastern Development Co., incorporated; Dan C. McLeod, Marshall P. James, Laurinburg.

Fla., Cocoa—John F. Reynolds will develop 100 acre orange grove.

Fla., Cocoa—Wm. J. Shaughnessy, Bridgeport, Conn., will develop 40 acre subdivision.

Fla., Cocoa—E. N. Gackenbach and Frank H. Treat will develop Cocoa Annex, 100 acre subdivision; install water, sewers, electric lights and roads.*

Fla., Dade City—L. C. Edwards, 713 S. Delaware Ave., A. J. Sims, Citrus Exchange Bldg., Tampa, L. C. Hawes, Dade City, develop 1200 acres near Lake Passadena; develop subdivision.

Fla., Dade City—See Sewer Construction.

Fla., Daytona—T. Reid Lauterbach, Daytona Beach, will organize Tomoka Shores, Inc., and will develop Tomoka Shores subdivision of 750 acres; install water, sewers, electric lights, 80 ft. boulevard, boat landing.

Fla., Daytona—N. D. Suttles Realty Co., J. H. James, Mgr., plans developing Highland Park subdivision; install 5 streets; pavements of Coquina rock with Tarvia surface; electric lights, water and sewers.

Fla., Daytona—H. J. Gould will erect entrance gate to Daytona Gables subdivision; Scotch architecture; has let contract for landscaping.*

Fla., DeLand—H. E. Prettyman, Sarasota, reported acquired 44,000 acres, develop for townsite and small farms.

Fla., Dunnedin—Stanley Matthews and associates of New York, will develop 1500 acre subdivision.

Fla., Jacksonville—J. Harris and H. L. Ober, Miami, acquired 400,000 acres land in Liberty, Leon, Bay and Franklin Counties.

Fla., Jacksonville—W. B. Ralford, Ralford-Pless, Daytona, reported acquired townsite on Dixie Highway, grade streets.

Fla., Jacksonville—John H. Elder, Mgr., White Co., 1416 Kings Rd., will develop 10 acre site.

Fla., Jacksonville—Howard Properties, Inc., L. W. Howard, Pres., is developing Granada subdivision; install water, sewer, electric lights and roads.

Fla., Kelsey City—Paris Singer, Palm Beach, acquired tract of land, develop subdivision.

Fla., Kissimmee—N. C. Cash, Sebring, has contract for paving, construction of storm and sanitary sewers in Gilbert Park subdivision; Bishop Engineering Co., Engrs.

Fla., Lake Butler—King Properties, Inc., Jacksonville, let contract to John J. Watson, Landscape Archt., for complete rebuilding of Lake Butler, 7000 acre subdivision; golf course constructed under Donald J. Ross, Golf Archt., Southern Pines; install water, sewers, roads, electric lights.*

Fla., Lakeland—Mrs. Florence Hammond will develop 25 acre.

Fla., Lakeland—J. H. Mason, Tampa, acquired 25 acres for development.

Fla., Lakeland—Frank A. Vanderlip, Pres. of National City Bank, New York, reported acquired Lake Stearns including town site, hotel, bus line, etc.

Fla., Marianna—Stuart Gainer of Cottondale, Ala., reported to develop 80 acres.

Fla., Miami—Tim Callahan of Caldo Realty Co., New Halcyn Arcade, will develop subdivision near Florida City.

Fla., Miami—P. S. Campbell, Sales Mgr., Tobin & Tobin, 39 N. E. First St., will develop New Commercial Larkin subdivision, 75 acres.

Fla., Mascotte—Mascotte Development Co., Inc., incorporated with \$200,000 capital, E. E. Culver, Pres., Toledo, Ohio; W. H. Schooley, Sec., St. Petersburg; will develop 1000 acres for subdivision; install hard surfaced streets; electricity; septic tank sewers; small water works; 2 paved roads; Finney & Sampson, Landscape Archts., St. Petersburg.*

Fla., Miami—Robert Kostoff, Flint, Mich., will develop 160 acres for farms.

Fla., Miami—Willard E. Campbell, Pres. Miami Real Estate and Building Co., 38 N. E. Second Ave., will develop waterfront subdivision.

Fla., Miami—Northwest Realty Co., C. W. Collins, will develop 200 acre subdivision in Alachua County; construct 60-ft. boulevard; parks.

Fla., Orlando—Cooper-Atha-Barr Co., 128 S. Orange Ave., acquired 135 acres; will develop; install water, sewers, electric lights, roads.

Fla., Orlando—Dr. P. M. Lewis, Rose Bldg., will develop 17 acre subdivision; install streets, sewers, electric lights.

Fla., Panama City—Berry C. Collins, At lanta, Ga., reported interested in development at Andrew Bay.

Fla., Pensacola—Avalon Development Co., will develop 5000 acre subdivision on Escambia Bay; install water, electricity, street work and sewerage.*

Fla., Plant City—Fort Green Development Co., capital \$300,000, incorporated; R. W. Burch, Charles H. Taylor; develop 3000 acres.

Fla., Sanford—City Commrs. will improve water front park; pave streets.

Fla., Sarasota—Sarasota Development Co., capital \$100,000, incorporated; E. A. Smith, George C. Shute.

Fla., Sarasota—L. B. Wood, Sarasota Thea-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

ter Bldg., interested in development of subdivision.

Fla., Sebring—George E. Sebring, Sr. and R. M. Watts, Mgr. Harder-Hall, reported interested in developing Loch Arbour subdivision, 200 acres; install water, sewers, electric lights.

Fla., Sebring—Albert J. Mills acquired 14,000 acres of land.

Fla., St. Augustine—Michigan-Florida Land Co., George Coburn, Pres., Grand Rapids, Mich., will develop industrial city at Tocoi; install water works, sewers, electric lights, roads, golf links, docks; G. T. Butler, Civil Engr., in charge of work.

Fla., St. Petersburg—C. Eugene Hames, Magnolia Arcade, and C. E. Johnson, 106 Fourth St. N., interested in organization of company to develop land.

Fla., Tampa—Florida-Texas Realty Corp., E. N. Requa and H. E. Hildebrand, Brady Bldg., San Antonio, Texas, reported developing Indian Arrow townsite, tract of 2500 acres near Tampa.

Fla., Tampa—Tampa Developers, Inc., will develop subdivision on Michigan Ave.; construct boulevards and entrance gates.

Fla., Tampa—Tampa Beach, Inc., Tampa Terrace Hotel, acquired 2400 acres bay front land.

Fla., Umatilla—Macoga Corp., W. F. Coachman, Pres., 310 W. Church St. Apts., Jacksonville, acquired Enchantment Lake tract of 700 acres.

Fla., West Palm Beach—W. G. Mathes, West Palm Beach, will develop subdivision.

Fla., West Palm Beach—Calder & Calder reported to develop 3 islands.

Fla., Winter Haven—J. B. Berry, Meadville, Pa., will develop 5 acre subdivision.

Ga., Augusta—Hephzilah Realty Co., incorporated; H. W. Sewell, W. D. Nelson.

Ga., Augusta—A. A. Bratton and L. L. Roger, Columbus, O., acquired 600 acres on Washington Road; develop subdivision.

Ga., Augusta—Benjamin H. Marshall, 612 Sheridan Rd., Chicago, Ill., reported interested in development of resort on South Carolina side of the river.

Ga., Bainbridge—P. J. Nix and W. W. Pace, Jr., Albany, will develop 30 acre subdivision install streets, roads; W. M. Arline, Civil Engr.

Ga., Brunswick—N. D. Suttles of Jacksonville, Fla., reported acquired St. Simon's Island for development.

Ga., Cloudland—Lookout Mountain Development Co. is developing 6000 acre tract, construct 200 acre lake, concrete dam and 35 miles driveway.

Ga., Cloudland—E. C. Bender, Fred A. Nichols' organized Summit Park Club, develop 416 acre subdivision.

Ga., Cloudland—Col. Lewis Hall and D. C. Alexander, Fort Lauderdale, Fla., will develop 316 acres land, develop subdivision; install water, electric lights and roads.

Ga., Ocella—Georgia-Florida Land and Investment Co., capital \$50,000, incorporated; R. J. Corbitt, J. T. Norman.

Ga., Savannah—J. H. Lynah and J. H. Lynah, Jr., 11 E. 50th St., will develop 44 acres.

Ga., Savannah—H. H. and Wm. Lattimore, Fifth St., will develop 25 acres for subdivision.

Ga., Tifton—Southern Land Co., capital \$12,000, incorporated; R. Eve, J. M. Williams.

La., Baton Rouge—East and West Side Co., capital \$30,000, incorporated; Dalton S. Raymond, Perkins Rd.; Eugene Cazessus.

La., Baton Rouge—Hollywood, Inc., capital \$50,000, incorporated; Louis F. Hart, Kemp C. Smith, Wickliffe Apts.

La., Hammond—Wm. L. and Charles H. Houlton reported to develop 100,000 acres in St. Tammany and Tangipahoa Parishes for colonization; establish golf links, lake, swimming pool.

La., Monroe—W. A. O'Kelly, Ck., receives bids Oct. 14 for landscaping Ouachita Parish Court House premises; J. W. Smith Archt., Ouachita Bldg.

La., New Orleans—City, E. E. Lafaye, Mayor, acquired 1065 acres between City Park and Lake Pontchartrain; develop for parks.

La., New Orleans—A. G. Darden, 2201 Wirth Place, reported to develop subdivision in Jefferson Parish.

La., New Orleans—Empire Realty Co., Inc., 407-A Godchaux Bldg., has 35 acres; will develop 19 acres for country homes and lodges.

La., New Orleans—Tammany Realty Co.,

capital \$20,000, incorporated; George Steele 1131 Hibernia Bank Bldg.

La., New Orleans—B. C. Curran, Inc., capital \$10,000, incorporated; Burnside C. Curran, 942 Gravier St.

Md., Baltimore—West Forest Park Co., Hillsdale and Carleview Aves., has site at Kathland and Clarendon Ave.; will develop.

Md., Baltimore—New York and Baltimore Realty Corp., 14 S. High St., capital \$500,000, incorporated; Simon Brodsky, Louis Fisher.

Md., Severna Park—Albert Stark representing Isaac C. Rosenthal, 4001 Barrington Rd., will develop 285 acres having 3500 ft. water front; develop subdivision.

Miss., Biloxi—G. B. Cousins will develop Bay View, subdivision.

Mo., Kansas City—Becker Building Co., capital \$25,000, incorporated; Wm. Becker, Frank J. Rogers.

Mo., Kansas City—Gableman Investment Co., incorporated; Fred Gableman, Geo. K. Brasher, Scarritt Bldg.

Mo., St. Louis—Pyramid Realty & Investment Co., incorporated; S. M. Werner, D. Goldberg, 3512 Olive St.

Mo., St. Louis—Hi-Points Holding Co., capital \$25,000, incorporated; J. B. Sager, 5762 DeGivrie St.

Mo., St. Louis—Coldwater Outing and Game Preserve, Frank H. Wielandy, Pres., 2944 N. Euclid Ave., develop 5500 acres for resort.

Mo., St. Louis—Crestwood Realty Co., capital \$20,000, incorporated; C. R. Hamilton, 5911 McPherson St.

Mo., St. Louis—Kasgo Realty Co., capital \$20,000, incorporated; Harry F. Kassing, 4432 Harris Ave.

Mo., St. Louis—Gravois Realty and Development Co., capital \$25,000, incorporated; L. M. Brohammer, 7201 Maryland Ave.

Mo., St. Louis—Francis Investment Co., incorporated; Talton T. Francis, 310 N. Newstead St.

N. C., Asheville—Stradley Mountain, Inc., 17½ Patton Ave., will develop 300 acres land for subdivision; install electric light system, sewer system, water works, roads and streets, \$150,000 golf course; LaFayette Development Co., Archt., 17½ Patton Ave.*

N. C., Asheville—Edson C. Davis acquired and will develop 94 acres on Fairview Road.

N. C., Asheville—Guy O. Road, West Palm Beach, Fla., will develop 63 acres.

N. C., Asheville—L. B. Jackson, Jackson Bldg., and D. L. Strain, Patton Ave., will develop 204 acre subdivision on Black Mountain Highway; construct 8 miles concrete streets, water and sewer lines; white way system; plans by E. S. Draper, Landscape Archt., Charlotte.

N. C., Asheville—Hamilton-Barrett Syndicate, J. C. Barrett, will expand \$750,000 for developing 850 acre subdivision in Fairview Valley; install paved streets, white way, sewers, water works; two 75-ft. entrances, two lakes of 23 and 65 acres; 18-hole golf course, swimming pool.

N. C., Asheville—M. E. Polson, representing Chicago, Ill., syndicate, will develop 580-acre subdivision.

N. C., Brevard—John Alden Standish, Buffalo, N. Y., Lawrence A. Koeth, Washington, D. C., reported to develop Evergreen Ridges, subdivision; install water, sewers, roads, electric lights.

N. C., Fort Caswell—Chase & Skinner, S. O. Chase, Hillsboro Hotel, Tampa, and L. S. Skinner, Sanford, Fla., reported acquired Fort Caswell, 2693 acres; develop for resort.

N. C., Hendersonville—Kanauga Estates, Inc., capital \$300,000, incorporated; H. Walter Fuller, Fourth Ave., W. Hendersonville; J. M. Clark, West Palm Beach, Fla.

N. C., Hendersonville—Dr. Frank Bright, Miami, Florida, and associates reported to develop 250 acre subdivision; install water, sewers, electric lights.

N. C., Lowgap—T. N. Woodruff and associates interested in development of 1500 acres in Blue Ridge Mountains; erect hotel, golf links, lake.*

N. C., Mayock—Tidewater Realty Corp., capital \$100,000, incorporated; Charles C. Bartlett, 38 S. Dearborne St., Chicago, Ill.; Charles I. Moore, Moyock.

N. C., Uree—Magnolia Mountain and Estates, Inc., Route No. 1, capital \$100,000, incorporate; John R. Norris, Fred D. Hamrick, both Rutherfordton.

N. C., Winston-Salem—W. J. Dunn, Jr., Dunn's Nurseries, will develop 15 acres; in-

stall water mains, erect cold frames, hotbeds, dwelling and packing house.

Okla., Enid—Northern Oklahoma Fair Assn., capital \$100,000, incorporated; F. A. Parkinson, T. T. Eason.

S. C., Charleston—Homer Lyon, Whiteville, acquired tract of seashore land.

S. C., Charleston—Huyler's, 136 E. 18th St., New York, reported to have option on DeWees Island.

S. C., Charleston—Rochelle Co., incorporated; T. B. Waring, Chas. W. Waring, 35 Broad St.

S. C., Charleston—C. Bissell Jenkins, People's Bldg., J. T. Jenkins, reported, interested in developing 550 acres on James River; 90 acres to be developed for subdivision; John McCrady, Civil Engr.

S. C., Charleston—C. Deas Gadsden, 26 Broad St., and associates, reported have option on 551 acres of James Island; develop subdivision.

S. C., Charleston—Dr. V. F. Platt, Conway, reported acquired land on Waccamaw Neck.

S. C., Columbia—Model Home Co. incorporated; Thomas E. Hair, 2217 Blossom St.; Henry Julian Roper.

S. C., Eastover—Carolina Land Co., capital \$15,000, incorporated; H. G. Bates, Alfred Scarborough.

S. C., Pickens—A. Katz reported to develop 400 acres mountain land for subdivision.

Tenn., Knoxville—Sequoyah Hills Co., E. V. Fenell, Pres., Box 1416, is developing subdivision; install water, sewers, electric light, gas system; Paul King, Engr.; Murray Construction Co., Holston Natl. Bank Bldg., contractor for paving and sewer system; Warner Service Co., contractor for underground lighting system; Knoxville Gas Co., 715 S. Gay St., contractor for gas mains.*

Tex., Austin—City Street Dept. will develop Lamar Park along the river.

Tex., Austin—Kiwanis Club interested in development of Peace Park, 23 acre tract; install water, sewers, electric light, wading pool.

Tex., San Antonio—Jerry Haskins, Kansas City, Mo., has charge of colonization of 54,000 acres in Webb and LaSalle Counties; first division of 32,000 acres will be irrigated from Neches River, divided into farms if 20, 40, 60 and 80 acres; equipped with buildings, water, sewer, electric lights.

Va., Danville—Forest Hills Development Corp., A. B. Carrington, Pres., capital \$300,000, develop 136 acres for subdivision; install sewers, water, gas, pavements, sidewalks, curbs and gutters; expend \$120,000; E. S. Draper, Landscape Archt., Charlotte, N. C.; T. C. Larimore, Contr., 810 Main St., Danville; A. G. Pritchett, Constr. Engrs., Masonic Temple, Danville.*

Va., Norfolk—Daval Realty Corp., capital \$25,000, incorporated; H. G. Avery, Law Bldg., Norfolk; David I. Salomon, Yonkers, New York.

Va., Pulaski—City Improvement Corp., capital \$50,000, incorporated; G. Laughon, John S. Draper.

Va., Roanoke—Richland Apartment Corp., capital \$75,000, incorporated; H. E. Townsend, C. E. Townsend, 251 E. Main St., both Norfolk.

W. Va., Charleston—Pikeside Co., capital \$25,000, incorporated; G. Meade Bowers, Stephen E. Bowers.

W. Va., Huntington—Kyle-Nickell Realty Co., 819 Sixth Ave., will develop subdivision on W. Fifth and Sixth Sts.

W. Va., Princeton—Board of Education will develop 7 acres for recreational park on Princeton-Bluefield Rd.

Lumber Enterprises

Alabama—See Coal Mines and Coke Ovens.

Alabama—R. F. Odom & Son, Millport, acquired 23,000 acres timber land in Pickens County, from Columbus Lumber Co.; will develop, build saw mill, etc.

Ala., Tuscaloosa—Red Valley Lumber plant of the Brown Lumber Co., main office Fayette, has begun construction work on plant to creosote ties and poles; expend approximately \$1,000,000; also contemplates developing coal properties at later date. Basil E. Kennedy, V. P. of the W. P. Brown & Sons Lumber Co., wires: "The W. P. Brown & Sons Lumber Co., Inc., Fayette, Ala., erecting modern two cylinder creosoting plant for the treating of ties, telegraph and telephone poles, piling and lumber; practically all raw material coming from their own mills and timberland in Fayette and Tuscaloosa Counties; Grant S. Shipley, Pittsburgh, Pa., Chf. Engr.; equipment furnished by following: Reeves Bros. Co., Alliance Ohio; Southern

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Construction Co., 611 S. 11th St., Birmingham, Ala.; Machine Steel Casting Co., Alliance, Ohio; Walsh & Weidner Boiler Co., Main and Sycamore Sts., Chattanooga, Tenn.; Ingersoll-Rand Co., Chicago, Ill.; Chicago Bridge & Iron Works, 360 N. Michigan Ave., Chicago, Ill.; Power Equipment Co., Oliver Bldg., Pittsburgh, Pa.; and Rossing Manufacturing Co., Pittsburgh, Pa."

Ala., York—Edwards S. Evans of the E. S. Evans & Co., Dime Bank Bldg., Detroit, Mich., acquired lumber mill of M. C. Rumley; will operate, probably install planing mill.

Ark., Siloam Springs—See Electric Light and Power Plants.

Fla., Quincy—The Reid Lumber Co., Selma, Ala., will erect new planing mill.

La., Opelousas—Danel Lumber Co., Inc., capital \$15,000, chartered; Louis L. Danel, Paul G. Lebourgeois.

Okla., Blackwell—Spurrer Lumber Co., main office, S. W. Natl. Bank Bldg., Oklahoma City, will erect lumber yard plant on East Blackwell Ave.; J. M. Matthews, Mgr.

S. C., Greenville—Oregon Lumber Co., capital \$25,000, incorporated; A. F. Day, B. B. Smith, Pendleton Road.

Tenn., Madisonville—Watson Lumber & Manufacturing Co., A. C. Watson, Sec., rebuilding burned plant; install planers, matchers, circular saws, etc., equipment furnished by Iddins Machinery Co., 111 E. Jackson Ave., Knoxville, Tenn.; Battery Machine Co., Rome, Ga.; Tennessee Armature Motor Works, 211 N. Cumberland Ave., Knoxville, Tenn.; bids for blow pipe system still open.*

W. Va., Charleston—Highway Lumber Co., incorporated; G. E. Stokes, F. T. White.

Metal-Working Plants

Fla., Sanford—Burglar Alarms—O. B. McClintock Co., 139 Lyndale Ave., Minneapolis, Minn., will establish distributing plant, build warehouse, etc.

Mo., Owensville—All-Locking Zinc Shingle Manufacturing Co., Joseph T. Tate, Sec., will erect 50x150-ft. brick plant, concrete and wood floors, zinc roof, construction by owner; install presses, dyes and other roofing machinery, furnished by F. J. Swaine Mfg. Co., 7th & O'Fallon Sts., St. Louis, Mo.; manufacture roofing and metal materials; H. D. Hengstenberg, Const. Engr., Owensville.*

Mining

Miss., Crystal Springs—Acme Gravel Co. reorganized; A. F. Fleck, Gen. Mgr., Terry; Geo. Smith, Supt., Crystal Springs; will develop gravel pit acquired from S. A. Gana.

Mo., Joplin—Joplin Marble Quarries Co., capital \$100,000, incorporated; Geo. M. Spiva, Frank Childress.

Mo., Joplin—Domada Mining Co. acquired the Jack and Jill mill and lease; will operate; Gus Bramer, Supt.

Mo., Joplin—Lead—Vantage Milling Co. contemplates building mill on No. 4 lease north of Baxter Springs; also plans reopening the No. 2 mill.

S. C., Greenville—Feldspar—Carolina Mineral Products Corp., capital \$250,000, incorporated; J. G. Mock, Pres., Wallace Bldg.; A. C. Martin, Sec.; install grinding mill, daily capacity 80 tons.

Tex., El Paso—Atlas Lime Co., capital \$800, incorporated; J. P. Sheenan, F. B. Stuart.

Tex., Paducah—National Potash Co., capital \$250,000, incorporated; T. W. Woodley, L. C. Harper.

Miscellaneous Construction

Ala., Mobile—Pier—Alabama State Docks Comsn., Box 304, will advertise for bids Oct. 15 for period of sixty days, opened Dec. 15, for construction reinforced concrete apron for pier No. 2, which will cost approximately \$1,000,000; other contracts will be let as quickly as site is made ready for construction; machinery and equipment will not be purchased until completion of piers; W. L. Sibert, Chmn. and Chf. Engr Docks Comsn.*

Fla., Fort Lauderdale—Dock—Southern Mercantile & Supply Co. of Hollywood, will build dock facilities fronting on east side of Las Olas Sound, dock to be 120 ft. long and 40 ft. wide, with covering to house structural steel, cement, lumber, building materials to be used in construction of Lake Mabel harbor; F. C. Dickey, Chief Engr.*

Fla., Kissimmee—Swimming Pool—Kiwano Club Amusement Co., S. L. Luper, Chmn. will erect \$40,000 swimming pool, 50x150-ft., with 10 locker rooms; Ramsey & Harndon, Engrs., State Bank Bldg., Orlando; Howard M. Reynolds, Archt., Orlando Bank & Trust

Co., Orlando.* (See Machinery Wanted—Tile; Swimming Pool Appliances.)

Fla., Miami—Mausoleum—Frank T. Budge, 5 E. Flagler St., will erect \$12,000 granite mausoleum in city cemetery; Bunnel Monumental Works, Contr. and Designer.

La., Baton Rouge—Fill, etc.—Louisiana Highway Comsn., W. E. Atkinson, Chmn., receives bids Nov. 24 for enlarging embankment being constructed by Sub-Drainage No. 3 of Fourth Drainage Dist., Jefferson Parish, 320,000 cu. yds. hydraulic fill; digging muck canal and roadway embankment, St. Charles Parish, 2,102,300 cu. yds. hydraulic fill; W. B. Robert, State Highway Engr. (See Machinery Wanted—Fill, etc.)

N. C., Asheville—Swimming Pool—See Land Development.

Tenn., Nashville—A. J. Krebs Co., Capitol Blvd., has contract for concrete work in gardens of Memorial Square; includes walks, drives, driveways, fountains, etc.; estimated cost \$135,000.

Tex., Houston—See Electric Light and Power Plant.

W. Va., Fairmont—Incinerator—City, Luke C. Arnett, Clerk, rejected bids; will readvertise about March 1926.

Miscellaneous Enterprises

Ala., Columbiana—Goodwin Mill & Construction Co., incorporated; C. E. Goodwin, R. G. Cosper.

Ala., Mobile—Copperfield Shipping Co., Inc., capital \$10,000, chartered; Ernest F. Ladd, 1613 Government St.; Walter Wrightson.

Ala., Tuscaloosa—See Lumber Enterprises.

D. C., Washington—Tauber Advertising Agency, Inc., capital \$50,000, chartered; G. G. Tauber, 925 15th St., N. W.; Robert H. Kantz.

Fla., Clearwater—See Ice and Cold Storage Plants.

Fla., Daytona Beach—Daytona Beach Daily News, T. E. Fitzgerald, Editor and Owner, contemplates building newspaper plant.

Fla., Hollywood—J. W. Young, Pres. Hollywood Land & Water Co., acquired five 4-mast schooners, one steamship; will purchase two more steam freighters and one ocean-going tugboat to carry freight of all kinds to Hollywood, unload by lighter.

Fla., Miami—American Bakeries Co., 1126 Healey Bldg., Atlanta, Ga., acquired properties of the Martin Baking Co. at N. W. 32nd St., the new plant which is under construction will be enlarged and new machinery installed; general contract let to Geo. H. Simonite, 719 N. W. 13th Ave.; following firms will furnish equipment: Automatic proofer and rounder by Union Machinery Co.; Jack ovens and trolleys by National Oven Co., Beason, N. Y.; automatic flour outfit by Read Machinery Co., York, Pa.; bread moulder and attachments, roll moulder and proofing box by Thomson Machinery Co.; bread mixer and divider by J. H. Day Co., Cincinnati, Ohio; bread racks and troughs by Union Steel Products Co., Albion, Mich.; dough chutes by Dutchess Tool Co., Beacon, N. Y.; elevator by Otis Elevator Co., 26th and 11th Ave., New York; oil burners by E. G. Golder & Co.; boiler by Miller-Lefestey Supply Co.; bread wrapping machines by National Bread Wrapping Machine Co.; pan equipment by Edward Katzinger Co., 122 N. Peoria St., Chicago, Ill.; refrigerators by Shannon Co.; thermometers by Taylor Instrument Co., Rochester, N. Y.; proof box equipment by American Blower Co., 6004 Russell St., Detroit, Mich.; and York; refrigerating machines by Southern Construction & Supply Co.; R. C. Thompson, Gen. Mgr., supervising construction and equipping of plant; E. S. Collins, local mgr.

Fla., Miami—Aiken Towboat & Barge Co., I. H. Aiken, Pres., New York, establish barge lines to Miami and Tampa; propose to ship lumber from Pensacola and Gulfport, Miss., and steel and other building materials from Mobile, Ala.; W. M. McClellan, Pensacola, Mgr., probably erect \$300,000 warehouse in both Miami and Tampa.

Fla., Miami—Florida New Process Laundries, Inc., Clifford Goes, Sec., let contract to Austin Construction Co. of Syracuse, N. Y. for new plant at 1403 N. W. Seventh Court; also contemplates building plants at Daytona, Orlando and St. Petersburg.

Fla., Palatka—A. J. Jarrett, 708 Billbro St., Greensboro, N. C., erect \$50,000 ice cream factory.

Fla., Port Tampa—Tampete Corp. wires: "Tampete Amusement Park, located at Port Tampa, midway between Tampa and St. Petersburg, has 67 acres water front; install modern amusement park devices, swimming pool, dancing pavilion, concrete dancing slab; Miller patented dome roof for buildings; John

A. Miller Co., Designers and Builders, 618 Tampa St., Tampa."*

Fla., Sanford—Barrett Varnish Co., 233 W. Lake St., M. J. D. Barrett, Chicago, Ill., reported, will establish distributing center and probably plant.

Ga., Atlanta—Drugs—E. R. Squibb & Sons, 80 Beekman St., New York, S. H. Conover, Asst. Gen. Sales Mgr., contemplates establishing distributing depot.

Ga., Savannah—Savannah Farm Electric Co., capital \$10,000, incorporated; W. O. Benton, 307 E. Anderson St.; E. W. Delegal.

Ky., Louisville—Standard Printing Co., 218 First St., increased capital from \$300,000 to \$500,000.

Ky., Louisville—Kentucky Oxygen Hydrogen Co., Logan and Goss St., increased capital from \$250,000 to \$300,000.

La., Baton Rouge—East and West Side Co., Inc., capital \$30,000, chartered; Eugene Cazessus, 513 Church St.; Jos. Ramires.

La., Eunice—Eunice Sanatorium Co., Inc., capital \$10,000, chartered; Dr. Arthur Vidrine, Dr. Otto Freeman, Sec.

La., Monroe—Druggist Supplies—Collens & Thompson Co., capital \$10,000, incorporated; John W. Collens, 401 Bress Ave.; R. F. Thompson.

La., Montgomery—Montgomery Mercantile Co., Inc., capital \$9000, chartered; J. T. Harlan, W. H. McLamore.

La., New Orleans—Candy, etc.—Cajoleas & Co., Inc., capital \$10,000, chartered; Peter J. Cajoleas, 304 Camp St.

La., New Orleans—Lanfhoff Honey & Syrup Co., capital \$10,000, incorporated; E. L. Powell, 1756 Tchoupitoulas St.

La., New Orleans—Stationery, etc.—Carnival Playing Card Co., Inc., capital \$10,000, chartered; Mrs. Audrey L. Wallace, Pres., 29 Fontainebleau Drive.

La., New Orleans—Optical Goods, etc.—Fitzgerald-Genevay, Inc., capital \$10,000, chartered; Maurice F. Fitzgerald, Pres., 4320 Palmyra St.

La., New Orleans—Richard-Hereford, Inc., capital \$25,000, incorporated; Jos. C. Richard, 3811 Gen'l Pershing St.; manufacture Sheffieldware, etc.

Md., Arbutus—Oriole Trucking Co., capital \$50,000, incorporated; Leonard M. Hanson, Edward J. Gels.

Md., Baltimore—Progress Laundry Co., 903 W. Belvedere Ave., 903 W. Belvidere Ave., capital \$20,000, incorporated; Harley W. Westfall, Isaac J. Coston.

Md., Baltimore—The General Baking Corporation, New York City, reported has completed plans for \$400,000,000 baking merger, involving the General, Ward and Continental Baking Companies.

Md., Baltimore—Western Maryland Dairy, Asa B. Gardiner, Pres., Linden Ave. and Dolphin St., will expend about \$90,000 for new distributing branch on Philadelphia Rd.; receiving bids; Irvin D. Baxter, Chmn. of Board.*

Md., Baltimore—National Pure Food Co., 3600 Fairview Ave., capital \$50,000, incorporated; Samuel M. Carmel, Milton B. Edelson.

Md., Parkville—Leight Construction Co., capital \$20,000, incorporated; Geo. C. Leight, Wm. F. Parks.

Miss., Columbus—Company organized with Carey Cooke, Pres., acquired creamery and cold storage plant of C. F. Sherrod on S. Fifth Ave., will operate.

Miss., Como—North Mississippi Hospital, capital \$25,000, incorporated; B. H. Pasley, A. P. Alexander.

Miss., Jackson—Jackson Coca Cola Bottling Co., D. L. Borden, Pres., Capitol St., will expend \$60,000 on addition and alterations; 96x58-ft., concrete and mill construction, concrete and wood floors; composition built up roof; open bids Oct. 14; install machinery for bottled drinks; C. H. Lindsley, Archt., Lamar Life Bldg.*

Miss., Laurel—Mason Fiber Co., reported, begun construction of \$1,000,000 plant to manufacture insulation boarding, wall board.

Mo., Columbia—University of Missouri Stadium Corp., chartered; Frank B. Rollins, S. F. Conley.

Mo., Excelsior Springs—The McCleary Sanitarium, Inc., chartered; A. S. McCleary, Clinton L. Oliver.

Mo., Joplin—Joplin Marble Co., capital \$10,000, incorporated; C. H. Carter, of Carthage; T. C. Pennington, Joplin.

Mo., Kansas City—Private Car Equipment Co., incorporated; Chas. F. C. Ladd, 3215 Olive St.

Mo., Kansas City—Medicines—Creo-Lyptus Co., 1028 E. Eighteenth St., capital \$50,000.

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Incorporated; Leland B. Coley, John C. Gallagher.

Mo., Kansas City—Oklahoma City Building Co., capital \$25,000, incorporated; C. W. Van Vactor, Twentieth and Summit Sts.

Mo., Kansas City—Jackson Florida Tourists Corp., chartered; Jay M. Jackson, 1836 Pendleton St.

Mo., Kansas City—Oils — Independent Lubricating Co., capital \$100,000, incorporated; J. S. Longshore, F. C. Holler.

Mo., St. Louis—Compounds, Etc.—Cross-Heart Products Co., incorporated; Albert E. Hutchinson, Theodore D. Parker, 3860 W. Pine St.

Mo., St. Louis—H. W. Weltzer Fur Co., capital \$10,000, incorporated; H. S. Weltzer, 5795 Pershing St.

Mo., St. Louis—Atlas Publishing Corp., capital \$100,000, chartered; Ralph Newman, Bass & Bass, Times Bldg.

Mo., St. Louis—National Sales Products Co., Inc., chartered; Edward G. Smyth, 1110 S. Kingshighway Blvd.

Mo., St. Louis—Continental Baking Co., capital \$50,000, incorporated; Roland S. Baker, 1404 Federal Commerce Trust Bldg.

Mo., St. Louis—New Shenandoah Amusement Co., capital \$20,000, incorporated; O. C. Lehr, J. M. Feigenbaum, 1031 Arcade Bldg.

Mo., St. Louis—Tools—Kennedy Plumb Corp., chartered; I. R. Kelso, Cape Girardeau.

Mo., St. Louis—St. Louis Incandescent Lamp Co., Ninth and Wash Sts., capital \$15,000, incorporated; A. W. Jacobson, G. C. Rauch.

Mo., St. Louis—Clothing—Century Sales Corp., chartered; Samuel H. Liberman, 2126 Biddle St.

Mo., St. Louis—Undertakers Supplies—E. F. Holtgrewe Co., 2701 St. Louis St., capital \$10,000, incorporated; E. F. Holtgrewe, 324 Laurel St.

Mo., St. Louis—Washington Cleaning & Dyeing Co., capital \$50,000, incorporated; Henry L. Weeks, 4117 Kossuth St.

Mo., St. Louis—Union Roofing Co., incorporated; Mary E. Craighead, 2623 Minnesota St.; John F. English.

N. C., Asheville—Country Club Publishing Co., increased capital, \$10,000 to \$25,000.

N. C., Charlotte—Edgar Read, City Clerk, receives bids Oct. 14 for firefighting equipment. (See Machinery Wanted—Fire Fighting Equipment.)

N. C., Charlotte—The Icy-O-Co., Inc., Johnston Bldg., will erect frame addition, metal roof, wood floors; construction by owner; install presses, cutters, tools, etc.; daily output 50 to 100 Icy-O-Beverage dispensers; address equipment proposals to E. C. Stathart, 404 Johnson Bldg.*

N. C., Charlotte—Carolina Ruling & Binding Co., incorporated; taken over book-binding plant of W. H. Webb at 232 E. Trade St., will operate.*

N. C., Durham—The Lakewood Dairy, Chapel Hill Blvd., F. A. Ward, Propr., acquired the Oaklawn Dairy; will operate, installing \$40,000 new equipment.

N. C., Sanford—Pugh Printing Co., capital \$50,000, incorporated; W. M. Pugh, Jr., E. C. Helms.

Okla., Drumright—Drumright Journal Publishing Co., capital \$10,000, incorporated; Charles Hatfield, A. G. Blauner.

Okla., Rush Springs—A. I. Stiles, Pres., Rush Springs Sweet Potato Growers Assn., erecting addition to sweet potato curing plant, capacity 40,000 bu., increasing total capacity to 60,000 bu.

Okla., Tulsa—Purity Ice Cream Co., J. B. Porter, Pres., 304 W. Fourth St., has plans for ice cream plant on Brady and Denver Sts., 2-story, 100x130-ft., additional structure for garage and general equipment.*

Okla., Tulsa—Jackson Burglar & Signal Alarm Co., capital \$12,000, incorporated; D. S. Jackson, A. E. Jackson, both Miami, Okla.

S. C., Charleston—Palmetto Fixture & Notion Co., incorporated; J. A. Gresham, A. M. Verdery.

S. C., Greenville—Union Carbide Sales Co., 30 E. 42nd St., New York, reported establish branch warehouse to serve S. Carolina; E. E. McCarthy, factory representative.

S. C., Greenville—Providence Printing Co., Herbert H. Providence, Pres., 102 Augusta St., has taken over the Magill Printing Co.; will operate.

S. C., Moncks Corner—Contracting—A. L. Shipley & Sons, Inc., chartered; A. L. Shipley, C. F. L. Shipley.

S. C., Spartanburg—Wallace Pen Co., Andrews-Law Bldg., organized by Dr. J. M.

Wallace, T. W. Burdette, and associates; will establish plant to manufacture (especially designed) fountain pen.

Tenn., Chattanooga—Lookout Mountain Cave Co., capital \$175,000, incorporated; Leo M. Lambert, Harry Argus.

Tenn., Isabella—Ducktown Chemical & Iron Co., incorporated; F. Linton Martin, Edgar D. Walters.

Tenn., Newport—Cleaning and Dyeing—Will M. Lillard, plans erecting new building on Woodlawn Ave., brick and concrete.

Tex., Beaumont—Ferry—B. B. Johnson, Jefferson County Judge, interested in installation of ferry on Neches River; receives bids Oct. 12 for equipment. (See Machinery Wanted—Ferry Equipment.)

Tex., Dallas—McCormick Toilet Goods Co., incorporated; W. S. Kirby, 4842 Gaston St.; E. P. Gifford.

Tex., Dallas—Gulf Insurance Co. of Texas, capital \$1,000,000, organized; T. R. Mansfield, 4225 Avondale St.; Geo. W. Jalonick.

Tex., Dallas—Anchor Awning Co., Inc., 2900 Junius St., will erect 70x200-ft. building on Gaston Ave near Oak, 1-story, hollow tile and stucco; Fooshee & Cheek, Archts.

Tex., Dallas—Fishburn Dry Cleaning Co., Ross Ave. and Pavilion St., East Dallas, let contract to Christy-Dolph Construction Co., Central Bank Bldg., for 2-story, brick addition to plant, 70x73-ft., equip with latest improved machinery; E. Ross Chamblin, Archt. and Engr., Wilson Bldg.

Tex., Dallas—Synthetic Stone Co., capital \$10,000, incorporated; Nick Scott, 3608 San Jacinto St.; John H. Bianchi.

Tex., Fort Worth—Lone Star Shoe Co., incorporated; W. F. Faerber, 731 Essex St.; T. B. McConnell.

Tex., Haskell—Haskell Hotel Co., capital \$35,000, incorporated; John W. Pace, J. U. Fields.

Tex., Houston—Lone Star Bag & Bagging Co., Brooks Ave. and Semmes St., let contract for \$10,000 addition to plant, increasing floor space to 20,000 sq. ft.; M. M. Feld and A. D. Schwartz, owners.

Tex., Houston—Root Beer—Damon Wells Co., reported, representing the Charles E. Hires Co., 206 S. 24th St., Philadelphia, Pa., has permit for \$15,000 factory and warehouse at 705 St. Bernard St., Oakhurst addition; 1-story, brick.

Tex., Houston—Construction—M. C. Parker & Co., Inc., capital \$25,000, incorporated; M. C. Parker, West Bldg.; J. A. Parker.

Tex., Orange—Orange Dry Goods Co., capital \$10,000, incorporated; C. Oldham, A. Timmons.

Tex., San Antonio—Texas State Life Insurance Co., incorporated; E. W. Nothstine, 314 Third St.; Victor Keller.

Tex., San Benito—Rio Grande Radio Supply House, incorporated; B. G. Eubank, L. C. Miller.

Tex., San Antonio—Quality Baking Co., Ed Roberts, Propr., E. Commerce St., let contract to H. A. Miller, 446 Kayton St., for 1 and 2-story addition, brick, tile and concrete; Beverly W. Spillman, Archt., Alamo Bank Bldg.

Tex., San Antonio—Petty Geophysical Engineering Co., capital \$10,000, incorporated; O. S. Petty, V. A. Petty, Sr., 10 Tenth St.

Tex., Tyler—Merchandise—Gaston & Gibbs, capital \$20,000, incorporated; R. Lee Gaston, C. M. Gibbs.

Tex., Waxahachie—Simmons Candy Factory, J. E. Simmons, Prop., plans expending \$15,000 on new building and equipment; 2-story; work not to begin before spring, 1926.

Va., Norfolk—Uneda Cigar Stores, Inc., capital \$50,000, chartered; C. M. Spitzer, Colonial Hall Apt.; H. L. Markoff; manufacture cigars, etc.

Va., Norfolk—Decorators—T. R. Callis Co., Inc., capital \$25,000, chartered; T. R. Callis, 4516 Mayflower Rd.; M. L. Moore.

W. Va., Charleston—Merger of the Charleston Dairy Co. and The Pure Milk Co., to be known as Charleston Dairy Co., Summers and Dryden Sts., with A. T. Bonham, Pres.; Guy N. Belcher, Mgr.

W. Va., Tralee—Wyoming Stores Co., capital \$50,000, incorporated; Geo. S. Couch, Thomas B. Jackson.

Motor Bus Lines and Terminals

Fla., Davenport—Holly Hill Grove & Fruit Co. will erect bus terminal and garage at N. Boulevard and Suwannee Ave., capacity ten buses; operate lines between Davenport and all sections of Florida.

Fla., Miami—Miami Transit Co., G. B. Dunn, Pres., establish motor bus service be-

tween Miami and Buena Vista, purchased nine buses to replace 18 seven-passenger jitneys.

Md., Cumberland—Yellow Cab Co., capital \$10,000, incorporated; Walter H. Coughenour, John H. Wiegand.

Mo., St. Louis—Pagewood Bus Co., incorporated; Jos. F. Lindsay, Chemical Bldg.; operate bus line in St. Louis County.

Tenn., Livingston—Red Line Transportation Co., incorporated; Geo. Shirley, C. P. Clark.

Tenn., Nashville—Brown and Yellow Taxicab Corp., capital \$10,000, chartered; C. M. Clark, L. P. C. Clark.

Va., Lynchburg—Retail Merchants Assn. and associate organizations interested in building bus line terminal for out-of-town lines.

Va., Norfolk—Yellow Cab Co. of Norfolk, Inc., Flat Iron Bldg., acquired all Green and Checker cabs; will operate.

Motor Cars, Garages, Filling Stations

Fla., Sanford—J. C. Dubose, plans establishing auto repair shop.

Fla., Sarasota—C. Roy Kindt let contract to Leadlay Ogden for \$30,000 garage and filling station, masonry and sheet iron.

Ky., Georgetown—Georgetown Buick Co., capital \$10,000, incorporated; L. S. Odell, O. R. Harrod.

Ky., Henderson—Bradford Smith Tires & Batteries, capital \$50,000, incorporated; Bradford B. Smith, Walker W. Smith.

K., Louisville—Winstead Auto Repair Co., incorporated; Andrew W. Winstead, Freeman W. Smith.

La., Lake Charles—Huber Motor Co. let contract to W. J. Quick, Swift Bldg., Lake Charles, for \$100,000 sales building at Broad and Bilbo Sts., 2-story, brick; R. S. McCook, Archt., Frank Bldg., Lake Charles.

La., Shreveport—Geo. T. Bishop, Inc., Market and Crockett Sts., reported acquired building cor. Spring and Milam St.; expend from \$130,000 to \$175,000 on improvements; erect 5 additional stories; soon invite bids.

Md., Baltimore—Wm. F. Cochrane, of Cochrane Sales Co., 135 W. North Ave., let contract to Wm. G. Gischel & Co., Curtis Bay, for 60x210-ft., 2-story, steel and concrete garage and service station, west side Hampden Ave. near Twenty-third St.; Henry Massert, 328 N. Charles St., Archt.

Miss., Jackson—Enochs & Flowers, Ltd., Edwards Hotel Bldg., will receive bids Oct. 15 for \$100,000 garage; 157x90ft., brick and reinforced concrete, composition floor, reinforced concrete and tile floors; C. H. Lindsey, Archt., Lamar Life Bldg.*

Mo., Kansas City—Peerless Blow Out Shoe Co., capital \$20,000, incorporated; L. R. Moore, 2922 N. Thirteenth St.

Mo., Kansas City—Durwyllan Co., capital \$10,000, incorporated; Norman E. Heil, Charles J. Staake, Coco Cola Bldg.; manufacture automobile brake linings, etc.

Mo., Kansas City—Old Motor Works, incorporated; D. S. Eddins, H. H. Mundy, 2619 McGee St.

Mo., St. Louis—A. J. Brock Motor Sales, Inc., chartered; Albert J. Brock, 3860 Labadie St.

Mo., St. Louis—Freeman Rubber Co., incorporated; David B. Lichtenstein, 2901 Olive St.

Mo., Webster Groves—Riesmayer-Yates Motor Co., capital \$65,000, incorporated; Fred H. Riesmayer, Wainwright Bldg.

N. C., Asheville—Brown Service Stations, Inc., capital \$10,000, incorporated; S. E. Brown, H. R. Brown.

N. C., Hendersonville—Commodore J. Perry Stolz, will erect 3-story garage at Jump Off Mountain, to be built in connection with proposed hotel; capacity 90 automobiles.

N. C., Salisbury—Hartman Motor Car Co., capital \$100,000, incorporated; A. E. Davis, W. D. Hartman.

N. C., Winston-Salem—H. R. Starbuck, Masonic Temple, will erect garage cor. Liberty and Seventh Sts., 3-story, 197x65x85 ft., concrete and steel, fireproof throughout, terra cotta front; Northrup & O'Brien, Archts., Starbuck Bldg.; soon open bids.

Okla., Hitchcock—Stafford Davidson Motor Co., capital \$15,000, incorporated; W. S. Traves, Oklahoma City; O. S. Davidson, Hitchcock.

Okla., Muskogee—Continental Oil Co., Continental Bldg., Denver, Col., reported, erect garage, oil tanks, etc.; receiving bids.

Tenn., Kingsport—S. P. Pyle erecting addition to Shelby Street Garage for filling station and storage purposes.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Tenn., Nashville—Imperial Motor Co., James Frazier, Mgr., 1530 Broadway, has permit for \$21,000 addition, built in rear of present building.

Tex., Beaumont—Andrus Motor Car, capital \$30,000, incorporated; Tom Andrus, 592 Center St.; C. Haines.

Tex., Dallas—Hood Rubber Co., River and Griffin St., let contract for second building, 2-story and basement, used for storage and distributing miscellaneous products; estimated cost \$25,000.

Tex., San Antonio—Yantis Motor Co., 321 Broadway, will erect \$20,000 garage at Fourth St. near Broadway, 1-story, 50x140x68 ft.; brick, hollow tile and concrete; Harvey P. Smith, Archt., National Bank Commerce Bldg.

Tex., San Antonio—F. P. Jennings, 213 Throckmorton St., let contract to J. D. Johnson, Cotton Exchange Bldg., Fort Worth, Tex., at \$49,650, for garage and sales room, 1 and 2 story, 100x150 ft., brick, stone, reinforced concrete, fireproof; Glasgow & Longley, Archts., 311 First Natl. Bank Bldg.

Tex., Slaton—Panhhandle and Santa Fe Ry. Co., M. C. Blanchard, Chief Engr., Amarillo, let contract to National Boiler Washing Co., Railway Exchange Bldg., Chicago, Ill., for boiler-washing plant, 30x68 ft. building, brick and concrete, composition roof, concrete floors; install pumps, condensers, tanks, piping, etc.*

W. Va., Charleston—State Board of Control, J. S. Lakin, Pres., State Capitol Bldg., received low bid from Barger & Swartz, at \$17,178, for combination garage and servants' quarters; Walter F. Martens, Archt., Morrison Bldg.*

W. Va., Huntington—R. & K. Motor Co., capital \$25,000, incorporated; W. H. Kincaid, 901 7th St.; G. B. Robertson.

Railways

Fla., Miami—Miami Daily News reports that Arthur Day and others of White City, Fla., propose to build the White City, Okeechobee & Fort Myers Railroad from Fort Pierce, on the Florida East Coast Railway, to White City, Okeechobee City and Fort Myers, the latter on the Caloosahatchie River, on the west coast; connecting also with the Atlantic Coast Line and the Seaboard Air Line. Charter papers filed; route about 125 mi. long; construction to begin soon.

Railway Shops and Terminals

Ky., Louisville—Kentucky & Indiana Terminal R. R., W. S. Campbell, Chief Engr., reported will construct shop building, storehouse and office building; estimated cost \$75,000.

Ky., Olive Hill—Chesapeake & Ohio Ry., C. W. Johns, Chief Engr., Richmond, Va., reported receiving bids for construction of direct coaling station.

Ky., Paducah—Illinois Central R. R. Co., A. F. Blaes, Chief Engr., Chicago, Ill., let contract to Ellington-Miller Construction Co. for office building and superstructure of the blacksmith shop, building located at Fifteenth and Kentucky Ave.*

Mo., Hannibal—Chicago, Burlington and Quincy, A. W. Newton, Chief Engr., 5124 Hyde Park Bldg., Chicago, Ill., let contract to G. A. Johnson & Son, 1335 N. Clark St., Chicago, for four-stall addition to roundhouse, cost \$25,000.*

Mo., Springfield—Saint Louis-San Francisco Ry., F. B. Jonah, Chief Engr., St. Louis, reported will expend \$30,000 on passenger facilities and yards.

Tex., Dallas—Texas & Pacific Railway Co., E. F. Mitchell, Chief Engr., 1003 T. & P. Bldg., let contract to The Ware Co., 1614 E. Missouri St., El Paso, at \$135,000 for 7-stall roundhouse, machine shop, store, repair and miscellaneous buildings.*

W. Va., Huntington—Chesapeake & Ohio Ry., C. W. Johns, Chief Engr., Richmond, Va., let contract to General Iron Works, Cincinnati, Ohio, for 950 tons steel for boiler shops.*

Roads, Streets and Paving

Proposed Construction

Ala., Birmingham—City Comm., plans expending \$130,285 to pave and improve 4 streets, including North Twentieth, Forty-sixth; A. Hawkins, City Engr.

Ala., Camden—State Highway Comm., Montgomery, contemplates Brandon Highway between Rosebud and Camden; also road connecting Oak Hill with Dallas County road.

Fla., Arcadia—See Land Development.

Fla., Auburndale—City, E. K. Anderson,

Mayor, receives bids Oct. 21 for about 65,000 sq. yd. street paving, with necessary curb and drainage; 1000 sq. ft. sidewalks; plans from W. B. Brewer, City Clk., and J. J. Stringfellow, Conslt. Engr., Lakeland.

Fla., Avon Park—See Land Development.

Fla., Bartow—Polk County Commrs. plan building 10 mi. permanent road, from Kissimmee River, where Indian River County connects with road to Vero Beach west, ultimately connect with Seaside Highway; will sell warrants; J. D. Raulerson, Clk.

Fla., Brooksville—See Water Works.

Fla., Brooksville—Hernando County Commrs. will receive bids soon to build main road in each of five Commrs. Dist., including road from Weekiwachee Springs and Bay Port.*

Fla., Branford—City plans street improvements and sewerage; contemplates \$25,000 bond election. Address City Clk.

Fla., Clearwater—City, Chas. F. Mason, City Mgr., receives bids Oct. 19 for 10,000 sq. yds. 6-in. Florida lime rock base, 13,300 lin. ft. curb and gutter, 8650 sq. yd. sidewalks; 7150 lin. ft. 6 and 8-in. sanitary sewers, with necessary storm sewers, inlets, manholes, etc., in Hill Crest No. 2 Subdivision; plans on file.

Fla., Cocon—See Land Development.

Fla., Dade City—City plans 4½ mi. street paving; voted \$60,000 bonds; F. D. Cosner, Engr.*

Fla., Daytona—See Land Development.

Fla., DeFuniak Springs—City Commrs. plan underground drainage in connection with paving of Circle, Eleventh, Ninth and Seventh St. and Live Oak Ave.; contemplates \$63,000 bond election. Address City Clk.

Fla., Jacksonville—See Land Development.

Fla., Key West—Monroe County Commrs., Otto Kirchheimer, Chmn., receives bids Oct. 29 to improve 4 roads and 3 bridges: 28 mi. 16-ft. stone surface, oiled, from point near southern end of island to northern end; 9 mi. 16-ft. stone surface, oiled, for sub-grade, from point on southwest island of Saddle Bunch Group to point near Florida East Coast Ry. on Sugar Loaf Key, also 180-ft. bridge over Sugar Loaf Creek; 16 mi. stone surface, oiled, for sub-grade in section of Tamiami Trail; 6 mi. boulevard, consisting of apron wall, sidewalk and roadway, drainage, etc., around portion of Key West; also 2 creosoted timber bridges; plans from County Engr.

Fla., Kissimmee—See Land Development.

Fla., Lake Butler—See Land Development.

Fla., Mascotte—See Land Development.

Fla., Miami—See Land Development.

Fla., Orlando—Orange County Commrs. plan building 4 roads; contemplate \$3,000,000 bond issue.

Fla., Orlando—See Land Development.

Fla., Palatka—City Comm. plans additional street paving; contemplates \$157,000 bond election.

Fla., Palatka—State Road Dept., Tallahassee, F. A. Hathaway, Chmn., receives bids Oct. 19 for 6.27 mi. 8-in. compacted Florida lime rock base, on prepared subgrade, on Road No. 3, Putnam County, from East Palatka to Dunn's Creek; plans on file and from Div. Engr.; J. L. Cresap, State Highway Engr.

Fla., Panama City—Bay County plans brick, concrete, asphalt or other high-grade paving, including necessary grading, storm drainage, sewers and lighting on 12 streets; also extend water works; voted \$150,000 bonds. Address County Commrs.*

Fla., Quincy—Gadsden County plans building section of Road No. 1 in county; contemplates bond issue. Address County Commrs.

Fla., Sanford—See Land Development.

Fla., Sarasota—Sarasota County Commrs., O. E. Roesch, County Clk., receive bids Oct. 12 to construct drainage structures and excavate 12 roads: 2 mi. Bee Ridge; 3.1 mi. Venice Byway; 5 mi. Fruitville; 4 mi. Old Myakka; 3.25 mi. Fruitville, Madison; 1.4 mi. Hancock; 3.5 mi. Swift; 13.5 mi. Madison Sugar Bowl; 3.25 mi. DeSota; 1.25 mi. Hyde Park Ave.; 1.5 mi. Tuttle Ave.; .63 mi. Victory Ave. Loop; plans from Norman G. Corson, County Engr.*

Fla., St. Augustine—City, Eugene Masters, Clk., plans sidewalks; contemplates bond issue; receives bids Oct. 21 for grading and street paving.

Fla., St. Augustine—See Land Development.

Fla., St. Petersburg—City, S. S. Martin, Director of Finance, plans opening First Ave., between Seventh and Ninth; votes-Oct. 20 on \$490,000 bonds.*

Fla., Tampa—Hillsborough County Commrs. plan paving in Twenty-second St. Special

Road and Bridge Dist.; voted \$75,000 bonds.

Fla., Tampa—City, Wm. E. Duncan, Clk., plans paving 5 streets, including Plymouth, Morgan St.

Fla., Tampa—N. B. T. Roney Interests, 512 Collins Ave., Miami Beach, will build 50-ft. boulevard from Miami Beach to Hollywood along ocean front; W. M. Archer, Ch. Engr., will supervise construction; receiving bids for streets, dredging and filling and installing of water mains, lights, sewers, etc.

Fla., Tavares—Lake County, Howey-in-the-Hills Dist. plans 2 hard surfaced roads, totaling 20 mi., in Special Road and Bridge Dist. No. 11: From Howey west to Okahumpka; southwest from Howey to Groveland; contemplates \$50,000 bond issue; G. S. Mickle, County Engr.

Fla., Tavares—Sipple-Baker Realty Co. will let contract soon for paving in Lakewood Park development on Lake Eustis; cost \$100,000.

Fla., Tallahassee—City Comm. plans extending street paving.

Fla., Tallahassee—Leon County plans building Road No. 1 from Tallahassee to Quincy; plans bond issue.

Fla., Winter Haven—City Comm. plans paving Oak, Eloise St. and Howard Ave.

Ga., Chickamauga—Town plans street paving; voted \$8000 bonds. Address Town Clk.

Ga., Cloudland—See Land Development.

Ga., Oglethorpe—Macon County plans paving 21 mi. Dixie Highway through county; contemplates bond election. Address County Commrs.

Ga., Savannah—Coastal Highway Comm., Harvey Granger, Chmn., interested in road from St. Mary's River to Brunswick, including concrete and steel bridge over Satilla River to Kingsland, and over Turtle River on cut-off between Brunswick and Waverly; also 20 mi. hard surface road.

Kentucky—State Highway Comm., Frankfort, receives bids Oct. 12 for 3 roads: Graves County, grade and drain 13.815 mi. Mayfield-Paducah, from city limits of Mayfield to McCracken County line; 85.578 cu. yd. earth, loose and solid rock and borrow excavation and structure; Kenton County, 3.253 mi. 16-ft. waterbound macadam, bituminous macadam, river gravel, Type A, rock asphalt on crushed stone, reinforced concrete, Piner-Bracht from Madison Pike, Piner, to Dixie Highway, Bracht, 18,617 cu. yd. earth, loose and solid rock, borrow excavation and structures; Perry County, grade and drain 8.235 mi. Hazard-Jackson, from end of bridge over North Fork of Kentucky River to point north of Dwarf, 207,233 cu. yd. earth, solid and loose rock, borrow excavation and structures; plans from E. N. Todd, State Highway Engr. and Div. Engr.

Ky., Bedford—State Road Comm., Frankfort, appropriated \$40,000 toward grading and draining 4 mi. roadway from county line near Sligo toward Milton; State to surface and maintain road.

Louisiana—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, La., received low bids for 2 roads and 2 bridges: East Feliciana Parish, 5.38 mi. gravel St. Francisville-Clinton, from McManus to Amite River Bridge, including Comite River Bridge, F. O. Hamilton, St. Francisville, \$33,415; Washington Parish, 6.14 mi. grading and drainage structures Sun-Bogalusa-Mississippi State line highway, from north city limits of Bogalusa to Varnado, Sam B. Boyd, Columbia, Miss., \$30,877; 368-ft. Pushpatapa Creek Bridge, Vincennes Bridge Co., Vincennes, Ind., \$16,574.*

Louisiana—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, receives bids Nov. 21 for 2 roads: Tangipahoa Parish, 8.809 mi. Hammond-New Orleans Highway, 42,581 cu. yd. clam shells or 24,840 cu. yd. washed gravel; St. John the Baptist Parish, 13,033 mi. Hammond-New Orleans Highway, 63,033 cu. yd. clam shells, or 15,752 cu. yd. washed gravel; plans on file; W. B. Robert, State Highway Engr.

La., Cameron—S. W. Sweeney, Cameron, granted franchise to build and operate toll road from Johnson's Bayou, 5 mi. across marsh to Louisiana Point, opposite Sabine Pass.

La., DeRidder—City, Nye Patterson, Mayor, contemplates paving 14 blocks, including Washington Ave.

La., New Orleans—City, Mayor Behrman, plans widening Common St. between Baronne and Rampart.

Md., Baltimore—Board of Awards, F. A. Dolfield, City Register, receives bids Oct. 14 to grade, curb and pave with cement concrete and sheet asphalt on concrete base, streets in Contr. No. 305-OCNA, 20,200 sq. yd. sheet asphalt, and Contr. No. 306-OANA,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

9000 sq. yd. cement concrete; plans from Bureau of Highways, Steuart Purcell, Highways Engr., City Hall.

Md., Baltimore—Board of Estimates authorized expenditure of \$132,010 to grade, curb and pave with sheet asphalt and cement concrete sections of 14 streets; Steuart Purcell, Highways Engr.; Howard W. Jackson, Mayor.

Md., Baltimore—City, Howard W. Jackson, Mayor, plans opening, widening and grading Rosewood Ave. from Park Heights Ave. to Pimlico road; Steuart Purcell, Highways Engr.

Md., Elkton—State Roads Comm., 601 Garrett Bldg., Baltimore, receives bids Oct. 13 for .19 mi. concrete through North East from end of Cont. Ce-37 extended to Town limits; John N. Mackall, Chmn., L. H. Steuart, Sec.

Md., Hagerstown—State Roads Comm., 601 Garrett Bldg., Baltimore, received low bid from Bester, Long Co., Hagerstown, at \$19,507 for .67 mi. 8-in. macadam penetration along Frederick St., Hagerstown, from city limits to B. & O. R. crossing.*

Md., Rockville—State Roads Comm., 601 Garrett Bldg., Baltimore, received low bid from Strawn & Christensen, Landover, Md., at \$13,094 for .32 mi. concrete surfacing on Brookville Pike and Sligo Ave.; from St. Mary's Construction Co., Mechanicsville, Md., at \$5825 for bridge over Sligo Branch, from Sligo to Burnt Mills.*

Md., Salisbury—City plans paving Baltimore Ave. and macadamizing Baptist St. from Church to Old Water St. Address City Clk.

Md., Salisbury—City plans surfacing Charles and Mitchell St. Address City Clk. Parsons.

Md., Towson—Baltimore County Commrs., John R. Haut, Ch. Clk., received low bid from Walter E. Allen, 1465 Washington Blvd., Baltimore, to grade 1.07 mi. Mt. Wilson road.*

Miss., Hazelhurst—Copiah County Board of Supvrs. will receive bids to surface 2 mi. gravel Smith's Ferry road from Beauregard to Lincoln County line.

Miss., Louisville—State Highway Dept., Jackson, receives bids Oct. 20 to grade 14 mi. road between Philadelphia, Neshoba County, and Newton, Newton County. Lately noted bids Sept. 29.*

Mo., Cape Girardeau—City Comm. will let contract in about 6 weeks for 18-ft. graveled Cape Rock road, North Cape Girardeau, from Country Club Drive to park; John B. Heagler, City Engr.

Mo., Cape Girardeau—City plans sidewalks on S. Sprigg St. and from top of old toll gate hill to Boundary St. Address City Clk.

Mo., Jefferson City—H. A. Nall, Deputy City Clk., plans laying cement curb and gutter and penetration bituminous macadam pavement on Lee St. from Moreau Drive to Dockery St.

Mo., Kansas City—City plans paving 5 streets, including Charlotte and Olive; also concrete sidewalks on 4 streets, including Campbell St. and Lydia Ave. Address City Clk.

N. C., Asheville—See Land Development.

N. C., Brevard—See Land Development.

Okla., Blackwell—City, Dwight Randall, City Clk., receives bids Oct. 9 to pave Blackwell Ave., Ninth and B St.; brick on concrete base, with necessary concrete combined curb and gutter, concrete curb, header, etc.; plans from E. A. Jones, Const. Engr., or Wm. Ritahaupt, Jr., City Engr.

Okla., Chandler—City plans paving Main St. with concrete foundation, brick and asphalt topping. Address City Clk.

Okla., Kingfisher—Kingfisher County plans improving roads in county; may pave Meridian Highway from Hennessey pavement to Cimarron River. Address County Commrs.

South Carolina—State Highway Dept., Columbia, received low bids for 4 roads and 2 bridges: Newberry County, 5.906 mi. top soil, State Route No. 19, between Newberry and Whitmire, Langford & Wicker, Newberry, \$36,305; 248-ft. reinforced concrete bridge on Route 19, over Duncan Creek, Fulmer & Phillips, Leesville, \$18,245; Saluda County, 10.073 mi. top soil, State Route No. 291, between Batesburg and Prosperity, W. E. Carson, Lynchburg, \$50,196; Dillon County, 4.340 mi. sand-clay, State Route No. 23, between Marion-Dillon County line and Latta, J. L. Carroll, 2930 Divine St., Columbia, \$21,289; Orangeburg County, five 15-ft. spans treated timber bridge, on State Route No. 1, over Goodland Creek, Fulmer & Phillips; Charleston County, approaches to King St. viaduct, State Route 2, Simmons-Mayrant Co., Peoples Bldg., Charleston.*

South Carolina—State Highway Dept., Columbia, receives bids Oct. 20 for 2 roads and 7 bridges: Barnwell-Orangeburg Counties, 6 treated timber bridges of fifty-six 15-ft. spans and earth approaches over South Edisto River, between Blackville and Springfield, State Route No. 1, 54,746 cu. yd. common excavation, 2573 cu. yd. sand clay surfacing; 11,739 lbs. hardware; Chester-Lancaster Counties, 1421-ft. Catawba River Bridge, on State Route No. 9, between Chester and Lancaster Counties, about 2 mi. east of Fort Lawn, twenty-six 35-ft. reinforced concrete spans on concrete bents and three 168-ft. through steel trusses on concrete piers, 358,459 lbs. reinforcing steel, 525,000 lbs. structural steel; substructures, approaches and truss floor and superstructure; Clarendon County, 11,765 mi. State Route No. 30, from Sumter-Clarendon County line to Summerton, 65,102 cu. yd. common excavation, 28,949 cu. yd. sand-clay surfacing; 20,039 lbs. reinforcing steel; plans on file and from Div. Engr. Samuel McGowan, Ch. Highway Commr.

S. C., York—York County Permanent Road Comm., J. H. Saye, Sharon, Chmn., will let contracts Oct. 15 for 2 roads; Yorkville-Sharon; Yorkville-McConnellsville.

Tenn., Chattanooga—City Comm. contemplates widening Twenty-third St. from Long to Whiteside.

Tenn., Chattanooga—City plans improving Twenty-third and Washington St., South Chattanooga. Address City Clk.

Tenn., Knoxville—City plans paving 26 streets; contemplates \$325,000 bond issue. Address City Clk.*

Tenn., Nashville—Board of Public Works plans oil and gravel surface treatment on Lynnwood Ave. and Alloway St.

Tex., Abilene—City plans paving South Sixth St., from Boulevard to Peach; estimated cost \$40,000; will receive bids soon to pave South Third, Locust; estimated cost \$35,000; O. K. Hobb, Engr.; M. L. Sellers, Sec.

Tex., Albany—Shackelford County, Richard Dyess, County Judge, plans 17.348 mi. grading and bridges on State Highway No. 1-A, from State Highway No. 18 to Callahan County line; J. E. Pirie, County Engr.

Tex., Amarillo—City, Jeff D. Bartlett, Mgr., plans paving Harrison and West Eighth St.; estimated cost \$40,000.

Tex., Beaumont—City, Ollie J. Bloyd, City Mgr., plans paving Ash St. from Pearl to Pine.

Tex., Beeville—State Highway Dept., Frank V. Lanham, Chmn., received low bid from W. W. Vann, Falfurrias, at \$51,634, for 11.40 mi. rock asphalt surfacing on State Highway No. 12, between Beeville and Berclair.*

Tex., Bellville—State Highway Dept., Frank V. Lanham, Chmn., Austin, receives bids Oct. 23 for 16.96 mi. grading and bridges in Austin County, estimated cost \$100,730; also underpass, estimated \$17,000; R. J. Hank, State Highway Engr.*

Tex., Burnet—Burnet County plans hard surfacing principal highways, estimated cost \$310,000; contemplates bond election. Address County Judge.

Tex., Cameron—State Highway Dept., appropriated \$17,500 toward re-surfacing Rockdale-Cameron road with gravel.

Tex., Conroe—Montgomery County plans 6.5 mi. State Highway No. 19; estimated cost \$89,037; J. R. Spiller, County Engr.

Tex., Denton—City plans paving S. Locust, College and W. Mulberry St. with asphalt. Address City Clk.

Tex., Denton—Denton County plans four roads: Complete Denton-Dallas highway through Lewisville Dist., between Hickory Creek and Dallas County line; Pilot Point east road to county line; West Highway from Santa Fe underpass to Wise County line; probably road southwest from Denton to Justin; contemplates \$1,888,500 bond election. Address County Commrs.

Tex., Eastland—Eastland County, E. S. Pritchard, County Judge, plans hard-surface road on Cisco-Moran Highway from Cisco to Shackelford County line; Geo. E. Franklin, County Engr.

Tex., Falfurrias—State Highway Dept., Frank V. Lanham, Chmn., Austin, receives bids Oct. 23 for 2 roads: 14.18 mi. 18-ft. concrete on State Highway No. 12, Brooks County, estimated cost \$512,000; 2.52 mi. 18-ft. reinforced concrete State Highway No. 2, estimated cost \$83,000; Randolph Harrison, County Engr.; R. J. Hank, State Highway Engr., Austin.

Tex., Floydada—Floyd County plans road from Crosbyton into Floydada; G. A. Lider, Surveyor.

Tex., Fort Worth—City, City Mgr. Carr, plans highway paving, including "homestead skips" intersections on Camp Bowie Blvd., etc.; contemplates bond issue.

Tex., Georgetown—Williamson County, F. D. Love, County Judge, will receive bids soon for grading, bridges and gravel surfacing on 10.36 mi. State Highway No. 95, from Taylor to Tavis County line, estimated cost \$126,600; M. C. Welborn, Engr.

Tex., Gonzales—Gonzales County, J. C. Romberg, County Judge, plans 28 mi. bituminous surfacing on State Highway No. 3, estimated cost \$130,000; J. G. Irby, Res. Engr.

Tex., Graham—Young County plans 30 mi. State highways in Precinct No. 1 and 60 mi. lateral roads; voted \$400,000 bonds; W. F. Parsley, County Judge.

Tex., Greenville—Hunt County Commrs. plan improving highways in Precinct No. 1, including city of Greenville.

Tex., Houston—Harris County Commrs. receive bids Oct. 12 to improve Griggs, Westheimer and Harrisburg roads and placing guard rail on Seabrook Loop Bridges; Howe & Wise, Engrs., 816 First Natl. Bank Bldg.; H. L. Washburn, County Auditor.

Tex., Johnson City—Blanco County plans road improvement in 2 districts: Round Mountain, \$15,000; Cypress Mills, \$12,000; voted bonds; Wm. Martiny, County Judge.

Tex., La Grange—Fayette County receives bids Oct. 23 for 8.47 mi. 18-ft. gravel road on State Highway No. 71, estimated cost \$150,000; R. E. Schiller, County Engr.; R. J. Hank, State Highway Engr., Austin.

Tex., Lubbock—Lubbock County, Chas. Nordyke, County Judge, plans grading, bridges and caliche surfacing on State Highways Nos. 7 and 53; \$200,000 available; S. G. Garrett, Res. Engr.

Tex., Lufkin—City plans paving about 3 mi. streets; contemplates bond election soon. Address The Mayor.

Tex., Olney—Young County, W. F. Parsley, County Judge, plans 30 mi. hard surfaced roads in Precinct No. 1; 60 mi. grading and bridges on lateral roads; voted \$400,000 bonds.*

Tex., San Angelo—City, E. V. Spence, City Mgr., receives bids Nov. 1 for 10 blocks street paving, cost \$80,000; Terrell Bartlett, Engrs., 612 Calcasieu Bldg., San Antonio.

Tex., San Angelo—Tom Green County, J. T. Mathison, County Judge, plans 16 mi. asphalt road on State Highway No. 9, from point 9 mi. east of San Angelo to Concho County line, estimated cost \$225,000; Joe Gresham, Engr.

Tex., Sinton—San Patricio County plans asphalt road through Portland, and shell road from Portland to causeway, estimated cost \$30,000; H. T. Field, Div. Engr., Dist. No. 1.

Tex., Uvalde—Uvalde County receives bids Oct. 23 for 2 roads: 5.36 mi. 1-in. limestone rock asphalt surfacing on State Highway No. 3, estimated cost \$29,200; 14.16 mi. Uvalde rock asphalt surfacing on State Highway No. 3, Knippa to Frío River, estimated cost \$82,300; Mack B. Hodges, Engr.; M. E. Savage, Res. Engr.; R. J. Hank, State Highway Engr., Austin.*

Tex., Victoria—Victoria County plans paving Highway No. 29, Middlebush Highway through county, from DeWitt County to Calhoun County line; also plans paving Jefferson Davis Highway from Jackson County line to Victoria and 7 mi. graveled Victoria-Refugio Highway, from Victoria to Stubbs School. Address State Highway Comm., Austin.

Va., Bluefield—City, Kenneth C. Patty, Mayor, receives bids Oct. 9 to grade and lay concrete sidewalks on certain streets; plans from W. P. Barnett, Chmn. Street Committee.

Va., Danville—See Land Development.

Va., Martinsville—City will hard surface Fayette St. from end of pavement at Dudley's factory to State Road at Piedmont Christian Institute. Address City Clk.

West Virginia—State Road Comm., Charleston, received low bids for 3 roads: Putnam County, 1½ mi. below Nitro, J. F. Muck, \$11,091; Berkeley County, 12 mi. Williamsport Pike, Gosnell, Russell & Co., \$173,139; Ohio County, rebuild national highway through Main and Seventh St., Wheeling, A. & O. Holderman, \$40,755.*

W. Va., Berkeley Springs—State Road Comm., Charleston, received low bid from Pollni Construction Co. at \$78,205 for road from Fisher's Bridge to Woodrow.*

W. Va., Fairmont—City Board of Directors, John W. Fleming, Director of Street Dept., plans paving northern end of Morgantown Ave. Thomas V. Buckley, Mayor.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Contracts Awarded

Arkansas—State Highway Comn., Little Rock, let contracts for 2 roads: Johnson County, 6.33 mi. surface treat. Little Rock-Fort Smith Highway, P. F. Connelly Paving Co., Little Rock, \$11,363; Quachita County, 8½ mi. gravel, between Camden and Stephens, R. J. Lynch, 318 Ridgeway St., Little Rock, \$41,221.*

Ark., Arkadelphia—City let contract to Kaw Paving Co., Topeka, Kan., to pave Main St. and 20 blocks in business district.

Ark., Siloam Springs—Board of Commrs. Improvement Dist. No. 3, let contract to Stanton & Wallace, Leavenworth, Kan., at \$63,900, to pave 21,460 sq. yd. with 7-in. plain concrete, 1-2 3/4 mix.*

Fla., High Springs—City let contract to J. B. McCrary Co., Atlanta, at about \$58,000 for 2½ mi. pavement.

Fla., Jacksonville—Duval County Commrs. let contracts for 3 roads: 11.42 mi. St. Augustine road, from San Jose to County line, W. J. Bryson Paving Co., 1418 N. Church St., \$155,337; 6.92 mi. Atlantic Blvd., C. F. Lytle, \$159,759; 1.31 mi. Main St. on both sides of Cedar Creek Bridge and at Inconstantia Creek, near Nassau County line, W. J. Bryson Co., \$11,890.*

Fla., Palatka—City let contract to T. B. Gillespie, Palatka, at \$200,000, for 63,000 sq. yd. brick paving with necessary curbing.

Fla., Sarasota—Sarasota County let contract for 15 roads: To Monongahela Construction Co., Home Savings Bank Bldg., Fairmont, W. Va.; 5 mi. Venice-Englewood, \$71,771; 3 mi. Venice byway, \$15,481; 2¼ mi. Tuttle Ave., \$27,641; 1½ mi. Hyde Park Ave., \$24,824; 3½ mi. Swift, \$62,002; 1¼ mi. Woodmere-Manasota, \$32,477; 4 mi. Old Myakka, \$77,755; 3 mi. Indian Beach, \$48,502; to Walter J. Bryson Co., Sarasota; 2 mi. Hancock, \$15,778; 11 mi. Myakka, \$104,115; 2¼ mi. Madison-Sugar Bowl, \$19,068; 4 mi. Bee Ridge, \$30,012; 7¼ mi. Siesta, \$162,775; 2¼ mi. Crescent, \$66,185; ¾ mi. Stickney Point, \$17,490; 3 mi. Bay Shore, \$62,026.*

Fla., West Palm Beach—Palm County Commrs. let contract at \$232,790 to improve 3 roads: McVay & Lindsay Co. to straighten Dixie Highway from West Palm Beach; Bryan & Holloway Construction Co. to build roads from Canal Point to Bacom Point and from Belle Glade to Chosen.*

La., Homer—R. H. Minton, Hemphill, Tex., awarded contract for last end of Haynesville road; E. G. Powell, Supt. of Construction, Many, La.

Mo., Kansas City—City let contract to Archie Turner, 111 S. W. Blvd., to grade Seventy-second St. from Brooklyn Ave. to Olive St. Address City Clk.

Mo., Maryville—City let contract to Cook O'Brien Construction Co., 430 Railway Exchange Bldg., Kansas City, to pave Walnut St., from Halsey to Thompson.*

S. C., Greer—City let contract to J. C. Cunningham, Greer, for ½ mi. reinforced concrete street paving.*

Tenn., Dickson—City let contract to C. & G. Construction Co. of Hohenwald for additional streets.

Tex., Alpine—City let contract to Uvalde Rock Asphalt Co., Frost National Bank Bldg., San Antonio, to rock asphalt surface 5 streets, including Sixth, Seventh.

Tex., Groesbeck—Limestone County, H. F. Kirby, County Judge, let contract to Granite Gravel & Sand Co., 27-28 Dooley Bldg., Houston, at \$10,800 to gravel roads in County.

Tex., Henderson—Rusk County Commrs., J. T. Watson, County Judge, let contract to L. M. Lenth, Hemphill, at about \$50,000, for 2 roads: 3¼ mi. State Highway No. 64, Henderson-Carriage; 4½ mi. Mt. Enterprise-Timpson.

Tex., Madisonville—State Highway Dept., Austin, let contract to Smith-Boyet Co., Bryan, at \$59,574, for 10.18 mi. grading and bridges on State Highway No. 21.

Va., Danville—City let contract to T. C. Laramore Co., 810 Main St., Danville, for 1¼ mi. hard-surfaced road with sidewalks, sewers, etc., in new residential development.

W. Va., Huntington—City Commrs., H. H. Fielder, City Clk., let contract to Harrison & Dean, 921 Fifth Ave., to pave with 3-in. brick on concrete base, Alley between Sixth and Seventh Aves.; to T. E. Walker to pave with 7-in. concrete Alley between 11th and 12th Sts.*

W. Va., Martinsburg—State Road Comn., Charleston, let contract to Frank C. Thomas Construction Co., Westminster, Md., at \$175,453, for 12.5 mi. concrete shoulders and bituminous macadam surfacing on Martinsburg-Williamsport Pike.*

W. Va., Princeton—City, E. B. King, City

Recorder, let contract to Wright & Hays, Princeton, at \$7.60 per lin. ft. to pave 1300 ft. road, from Honaker St. to city limits, with limestone macadam, oil penetration finish.*

Sewer Construction

Ala., Birmingham—Jefferson County will expend \$56,250 for construction of sanitary sewers; L. H. Salter, County Engr.*

Ark., Springdale—Water and Sewer Commrs. have plans for laying sewer mains distance of 9000 ft.

D. C., Washington—District Commrs. received following low bids for sewer work: From Kirwan Engineering Co., 1308 E. Baltimore St., Baltimore, Md., for Anacostia Rd. N. E.; W. F. Brenizer Co., 101 New York Ave. N. E., for Bay St. S. E. and L St. N. E., for Twentieth St. N. W., and Potomac Ave.; Wm. A. Pate, Jr., Rockville, Md., for T St. and Fern Place N. W.

Fla., Arcadia—See Land Development.

Fla., Avon Park—See Land Development.

Fla., Branford—See Roads, Streets, Paving.

Fla., Brooksville—See Water Works.

Fla., Brooksville—See Land Development.

Fla., Clearwater—See Roads, Streets, Paving.

Fla., Cocoa—See Land Development.

Fla., Dade City—City voted water works, sewer and park bonds. Address the Mayor.*

Fla., Daytona—See Land Development.

Fla., Fort Meade—See Water Works.

Fla., Jacksonville—See Land Development.

Fla., Kissimmee—See Land Development.

Fla., Lake Butler—See Land Development.

Fla., Mascotte—See Land Development.

Fla., Orlando—See Land Development.

Fla., Panama City—See Water Works.

Fla., Sebring—See Land Development.

Fla., St. Augustine—City contemplates voting on bonds for installation of storm and sanitary sewers, electric lights. Address The Mayor.

Fla., St. Augustine—See Land Development.

Fla., Tampa—See Roads, Streets, Paving.

Fla., Wauchula—City, W. N. Tonkin, Engr., receives bids Nov. 2 for \$100,000 of sewer work and \$50,000 for water mains.

Ga., Acworth—Board of Trade, W. H. Nichols, Pres., interested in sewerage extension.

La., Baton Rouge—Comms. Council of Baton Rouge receives bids Oct. 9 for storm, drainage and sanitary sewers. (See Machinery Wanted—Sewer System.)

La., New Orleans—See Water Works.

Miss., Yazoo City—Williams Engineering Co. will install storm sewers.

Mo., Joplin—Joplin Park Board will install sewer in Schifferdecker Park; opens bids Oct. 15. (See Machinery Wanted—Sewer Construction.)

Mo., Sikeston—City votes Oct. 20 on \$82,000 sewer bonds. Address the Mayor.*

Mo., St. Louis—Progressive Construction Co. lowest bidder for 6 sewer projects; Skrainka Construction Co., Security Bldg., and Perkinson Bros. Construction Co., 3237 Carter St., for remaining 3 contracts; Francis T. Cutts, Engr.*

Mo., Tipton—See Water Works.

N. C., Asheville—J. H. Brown, Chrmn. Board of Trustees Woodfin Sanitary Sewer Dist. receives bids Oct. 7 for laying approximately 11 miles of sewers; K. E. Hendricks, Engr., Lake View Park, Asheville.

N. C., Asheville—See Land Development.

N. C., Brevard—See Land Development.

N. C., Cullowhee—Boyd & Goforth, Charlotte, has contract for installing sewer system in Cullowhee school and village; Wiley & Wilson, Greensboro, Conslt. Engrs.*

N. C., Hendersonville—See Land Development.

Okla., Holdenville—Park & Moran, 110½ S. Seminole St., Okmulgee, has contract at \$83,000 for sewer system; V. V. Long & Co., Colcord Bldg., Oklahoma City Engrs.*

S. C., Lexington—See Water Works.

Tenn., Carthage—See Water Works.

Tenn., Dickson—City voted \$100,000 sewer bonds and \$25,000 water bonds; H. T. V. Miller, Mayor.*

Tenn., Kingston—City let contract to Nolen & Dillard, Nashville, for vitrified tile sewer;

cost \$10,000; Kyle & Harrub, Engrs., 506 Fourth and First National Bank Bldg., Nashville.*

Tex., Austin—See Land Development.

Tex., Corpus Christi—City, J. L. Wright, Sec., will extend sewer system, erect disposal plant; H. Levinson, City Engr.*

Tex., Fort Worth—See Roads, Streets, Paving.

Tex., Jacksonville—City will construct sewer system, cost \$35,000; G. L. Fugate, Engr., Houston.

Tex., Houston—Houston Construction Co., 201 Standard Lithograph Bldg., has contract for sewer on Sixth St.; Chas. K. Horton, 2202 Clay St., low bidder for storm sewers on Labranch St.; J. C. McVea, City Engr.

Tex., Plainview—City Council will install 1,400 ft. sewer in Highland Addition.

Tex., Waco—City, E. E. McAdams, Mgr., will construct sewage disposal plant; Terrell Bartlett, Engrs., Calcasieu Bldg., San Antonio.*

Va., Danville—See Land Development.

Va., Danville—See Roads, Streets, Paving.

Telephone Systems

Ark., Pine Bluff—Southwestern Bell Telephone Co., Boatmen's Bank Bldg., St. Louis, Mo., expending \$25,000 on improvements to exchange building and equipment, will care for 2400 additional phones; A. A. Garrett, Dist. Mgr.

Florida—The Florida Telephone Corp. will probably be name of company organized through proposed consolidation of Citrus County Telephone Company, Lake County Telephone Company, Orange County Telephone Co., Osceola County Telephone Co., Pasco County Telephone Co., Sumter County Telephone Co., and the Florid Telephone Co.; R. F. DeVoe & Co., Bankers, 67 Exchange Place, New York, make public offering of bonds.

Fla., Lakeland—Peninsular Telephone Co., W. F. Cook, local Mgr., erecting \$412,000 building cor. Orange and Tennessee Sts., steel frame with concrete base, brick curtain wall backed with hollow tile, curtain walls to be finished with brick; install automatic telephone service, equipment to cost \$200,000; ultimate capacity will be 8,000 lines; building to be completed by Nov. 1 and equipment installed by Feb. 1.*

Md., Baltimore—Board of Directors of Chesapeake & Potomac Telephone Co., 5 Light St., authorized expenditure of \$712,135 on equipment and buildings in Maryland; of that sum \$181,285 will be spent in Baltimore, including additional undertrunking cables for Plaza, Madison, Lafayette, and Liberty exchanges; also alterations to be made in buildings at 5 Light St. and 106 E. Lexington St.; Geo. H. Warren, Div. Mgr.

Md., Salisbury—Chesapeake & Potomac Telephone Co., 5 Light St., Baltimore, Md., will expend \$51,550 on improvements and additions; H. W. Carty, local Mgr.

Mo., Cape Girardeau—Cape Girardeau Telephone Co. reported acquired the Perry Telephone Co.'s plant, system, exchange at Perryville, Mo.; will operate.

S. C., Greenville—Southern Bell Telephone & Telegraph Co., main office, Atlanta, Ga., will erect \$20,000 addition, 3-story, 50x60 ft.; G. L. McCullough, Dist. Mgr.

Tenn., Knoxville—Cumberland Telephone & Telegraph Co., 78 S. Pryor St., Atlanta, Ga., reported, contemplates purchasing the People's Telephone Co.

W. Va., Wheeling—Chesapeake & Potomac Telephone Co., Fred R. Dunning, local Mgr., will expend \$80,000 on Woodsdale central office building, 2 story and basement, fire-proof, structural steel skeleton type, brick curtain walls.

Textile Mills

Alabama—California Cotton Mills Co., Oakland, Calif., have acquired New Canebake Cotton Mills, Uniontown, Alabama Textile Mills and Sunset Textile Mills, of Selma; will construct addition to Canebake Cotton Mills, doubling capacity of plant.

Fla., Daytona—Regarding textile mill, R. M. Beardslee wires as follows: "Name of corporation Florida Textile Products, Inc., officers R. M. Beardslee, Pres., H. C. Beckner, V. P., E. T. Lindsay, Sec. and Treas., addresses Daytona; contractors undecided; 10 factory buildings to be erected soon, all Spanish type equipped with most modern machinery;" Joseph Lewis, Southern Mgr. Singer Sewing Machine Co., Atlanta, Ga., has contract for \$30,000 equipment.*

Ga., Hawkinsville—Fairbanks, Morse &

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Co., 900 S. Wabash Ave., Chicago, Ill., and Johnston Bldg., Charlotte, N. C., reported has contract for 25 1½ h.p., 1200 r.p.m. ball-bearing motors for Cochran Cotton Mills Co.'s plant.

Ga., Jackson—Pepperton Cotton Mills reported let contract for complete electrification of mill, including 750 h.p. motors and Henry River Mfg. Co., Henry River, N. C., 36 7½ h.p. spinning frame motors.

Ga., LaGrange—Fuller E. Callaway, Chrm. Board of Group of Callaway Mills, reported to completely electrify group of mills, including Hillside Cotton Mills, Unity Cotton Mills, Unity Spinning Mills, Elm City Cotton Mills, Valley Mill, all of LaGrange, Ga., and Manchester Cotton Mills, Manchester, Ga.; power to be purchased from Columbus Electric Power Co., Columbus. Wire from Fuller E. Callaway states: "Will electrify Unity and Hillside Mills; plans and specifications being prepared by Robert & Co., Bona Allen Bldg., Atlanta, Ga."

Ga., Rossville—Peerless Woolen Mills, J. L. Hutcheson, Pres., has plans for textile mill; 1 story, 140x460 ft.; W. H. Sears, Archt.-Engr., James Bldg., Chattanooga, Tenn.*

N. C., Columbus—Columbus Cotton Mills, Inc., capital \$100,000, incorporated; W. T. Hammett, Tryon; Fred W. Blanton, Columbus; erect \$75,000 textile plant; concrete and steel; G. J. Nord, Gastonia, will supervise construction. Wire from Fred W. Blanton states: "Columbus Cotton Mills, Inc., organized Sept. 26; capital \$100,000; equipment purchased; manufacture coarse yarn, twos to twelve; F. P. Bacon, Chrm. Board of Directors; W. C. Ward, V. P., Tryon, N. C.; W. T. Hammett, Pres.; F. W. Blanton, Secy. and Treas., Columbus W. P. Gargill, Supt., Cherryville; G. J. Nord, Engr., Gastonia; no contract let except for machinery, purchase from Greensboro Supply Co."

N. C., Henry River—Henry River Mfg. Co. are remodeling present plant and adding counters, new spindles; Morse & Co., 1216 Johnston Bldg., Charlotte, has contract for 36 7½-h.p. individual spinning frame ball-bearing motors; S. D. Bennett, Engr., Charlotte.

N. C., Landis—Corriher Mills reported let contract to Fairbanks, Morse & Co., 900 S. Wabash Ave., Chicago, Ill., and Johnston Bldg., Charlotte, for 725 h.p. individual ball-bearing textile motors to be installed in new mill under construction; George C. Bell, Engr., Charlotte.

N. C., Oxford—C. & M. Hosiery Mill Corp. will rebuild plant burned at loss of \$50,000.

S. C., Spartanburg—Wadsworth Mills, capital \$300,000, incorporated; B. C. Fiske, F. A. Bearden, 418 Glendolyn Ave.; take over and operate Spartanburg County yarn mills, install looms.

Tenn., Nashville—Gold Hosiery Corp., chartered; C. A. Pressey, W. E. Smith.

Tex., Victoria—P. M. Keller, Belton, will supervise construction of \$300,000 textile mill, 5000 spindles and 250 looms; brick and concrete construction.*

Va., Winchester—Arthur G. Jones Woolen Mills Corp. reported to double capacity of present plant.*

Water Works

Ala., Bessemer—See Land Development.

D. C., Washington—U. S. Engrs. Office, 1068 Navy Dept. Bldg., let contract to Chas. H. Tompkins Co., 1612 Park Rd., N. W., for filtration plant and pumping station superstructure; brick, 360x180 ft.; capacity 80,000,000 gal. daily; will open bids Oct. 27 for furnishing, installing and testing 3 hydraulic turbines.*

Fla., Arcadia—See Land Development.

Fla., Avon Park—See Land Development.

Fla., Brooksville—See Land Development.

Fla., Brooksville—City, F. S. Parrigan, Engr., authorized surveys, maps and estimates for water main extensions, sewer system and several miles of pavement; total cost \$750,000.

Fla., Bushnell—Town, C. B. Allen, Clk., receives bids Oct. 21 for water works improvements. (See Machinery Wanted—Water Works.)

Fla., Cocoa—See Land Development.

Fla., Dade City—See Sewer Construction.

Fla., Daytona—See Land Development.

Fla., Fort Lauderdale—City Comms. contemplate improvements to water works.

Fla., Fort Meade—City contemplates voting on bonds for water works, electric light and sewers. Address the Mayor.

Fla., Fort Pierce—City, C. E. Cahow, Mayor, receives bids Oct. 28 for water soft-

ening and purification plant. (See Machinery Wanted—Water Softening and Purification Plant.)

Fla., Lake Butler—See Land Development.

Fla., Jacksonville—City Comsn. receives bids Oct. 14 for reinforced concrete reservoir. (See Machinery Wanted—Reservoir.)

Fla., Jacksonville—See Land Development.

Fla., Mascotte—See Land Development.

Fla., Miami—Kreis Bros. will erect water plant at 650 N. W. Fourteenth St., cost \$16,000.

Fla., Miami—City contemplates enlarging water works at Hialeah to about 5 times its present capacity; Ernest Cotton, Director of Public Works; M. J. Smith, Engr.

Fla., Orlando—See Land Development.

Fla., Panama City—City voted \$150,000 water, lighting and sewer bonds. Address the Mayor.*

Fla., Sebring—See Land Development.

Fla., St. Augustine—See Land Development.

Fla., Tampa—See Roads, Streets, Paving.

Fla., Tampa—City Mgr., W. Lesley Brown, will receive bids for pumping unit of 10,000,000-gal. capacity; Nicholas S. Hill, Jr., Const. Engr., River & 30th Sts.

Fla., Wauchula—See Sewer Construction.

Ga., Cloudland—See Land Development.

Ky., Jackson—Jackson Water Co. will expend \$100,000 for construction of new plant, 500-gal. capacity; install duplex oil engines and duplex centrifugal pumps, 350 gals. capacity per minute; concrete reservoir, cost \$12,000; contract for laying pipe let; A. B. Hargis, Engr., Jellico, Tenn.*

La., New Iberia—See Electric Light and Power Plants.

La., New Orleans—Sewerage and Water Board, A. G. Moffat, Sec., receives bids Dec. 2 for furnishing labor and material on percentage basis for sewerage, water works and drainage construction during year 1926. (See Machinery Wanted—Water; Sewer; Drainage.)

Md., Salisbury—Laws Construction Co., Salisbury, lowest bidder at \$22,431 for constructing 500,000 gal. reinforced concrete reservoir; city receives bids Oct. 16 for construction of pumping station. Opens bids Oct. 16 for pumping station building and piping. Cont. 11 and 12; Francis H. Hyden, Ch. Engr. (See Machinery Wanted—Pumping Station.)

Miss., Meadville—City will probably install water works system, cost \$10,000. Address the Mayor.

Mo., California—City voted \$20,000 water works bonds; J. B. White, Clk.

Mo., Houston—Commercial Club reported interested in installing water-works system.

Mo., Louisiana—Louisiana Water Co. and Missouri Sewerage Co. granted 10-year franchise.

Mo., Piedmont—City voted \$50,000 water works bonds. Address W. E. Hammacher.

Mo., Savannah—City defeated bond election for water works; votes Oct. 20 on new issue; W. S. Dray, Clk.*

Mo., Senath—City, B. T. Browning, Mayor, rejected bids for water works; will call for new bids.*

Mo., Tipton—City contemplates voting on water and sewer bonds. Address the Mayor.

Mo., Willow Springs—Sewell Well Co., 1627 Locust Blvd., St. Louis, Mo., reported engineers for concrete reservoir, deep well and pumps.*

N. C., Asheville—See Land Development.

N. C., Brevard—See Land Development.

N. C., Hendersonville—See Land Development.

Okla., Ponca City—Gallamore Construction Co., Cushing, reported having contract for water works improvements.

Okla., Tuttle—City voted \$38,000 water works bonds; Gantt-Baker Co., Engr., 1116 W. Main St., Oklahoma City.

S. C., Greer—City, B. B. Mills, Supt. Comsn. Public Works, will let contract about Oct. 15 on 500,000-gal. capacity reinforced concrete reservoir.*

S. C., Lexington—City voted \$103,000 bonds for water and sewers. Address the Mayor.*

Tenn., Carthage—City contemplates voting on \$15,000 water and sewer bonds. Address the Mayor.*

Tenn., Dickson—See Sewer Construction.

Tenn., Knoxville—See Land Development.

Tenn., Riverview (Mail Chattanooga)—Town contemplates voting on bonds for water works; E. M. Wright, Street Commr.

Tenn., Watertown—City let contract to Sherman Machine & Iron Works, Oklahoma City, Okla., for water works.*

Tex., Asherton—City, R. W. Taylor, Mayor, may vote Jan. 2 on bonds for water, light and ice.*

Tex., Austin—See Land Development.

Tex., Corpus Christi—City contemplates extending water works system, install 2,000,000-gal. well and fire hydrants. Address the Mayor.

Tex., Duncanville—City will vote on \$40,000 water works bonds. Address the Mayor.

Tex., Fort Worth—See Roads, Streets, Paving.

Tex., Gonzales—Midwest Utilities Co. reported plans improvements to water works plant; cost \$25,000.

Tex., Lagrange—Chamber of Commerce reported interested in extension of water mains, erection of artificial gas plant; improve tourist camp.

Tex., Mission—Ewing & Songdon, Engr., Mission, are preparing plans for water works, cost \$60,000.

Tex., Tahoka—City votes Oct. 17 on \$60,000 water-works bonds. Address the Mayor.

Va., Berryville—City voted \$55,000 water works bonds; John S. Goldsmith, Mayor.*

Va., Culpeper—Town, R. F. Booton, Chrm. Water Committee, receives bids Oct. 20 for installation of equipment. (See Machinery Wanted—Engines (Fuel Oil), Pumps.)

Va., Danville—See Land Development.

Va., Lynchburg—City Council will extend water main on various streets.

W. Va., Martinsburg—Quigley-Haffer Co., Chambersburg, Pa., has contract for water reservoir.*

Woodworking Plants

Fla., Sanford—National Wood Finishing Co., 2242 Belmont Ave., B. C. Hazlett, Chicago, Ill., reported will erect wood-finishing manufacturing plant.

S. C., Kline—Kline Veneer Co., capital \$10,000, incorporated; J. J. Kincaid, J. J. Kincaid.

Va., Richmond—Pool Tables—C. P. Dean Corp., 10 Governor St., has begun repairing burned plant; install several small wood-working machines, to be purchased.*

FIRE DAMAGE

Ga., Columbus—East Wynnton colored school building. Address Muscogee County Board of Education.

Ga., Millen—W. H. Parker building, occupied by Newton & Hallock and B. F. Chance's restaurant; loss \$25,000.

Ky., Ashland—F. E. Campbell's residence. Flatwoods, near Russell.

Md., Cumberland—Samuel Wertheimer's building on Baltimore St., occupied by S. W. Kaplon, clothier; Jacob Goldfine, photographer; Dr. C. L. Smither, dentist; Dr. Allen G. Thurman Twiggs, dentist; R. L. Brake, salesman; loss \$60,000.

Md., Hancock—Green Lane Orchard Co.'s packing plant; loss \$10,000.

Miss., Columbus—Warehouse of J. L. Walker & Co.

Mo., Cape Girardeau—Three-story, brick building at 119 Water St., occupied by Dempsey Grocer Co., A. R. Zoelsmann, Mgr.; loss \$50,000.

N. C., Kinston—Frank Pope's cotton gin; loss \$10,000.

N. C., Oxford—C. & M. Hosiery Mill Corp.'s building; loss \$50,000.

N. C., Wilson—Warehouse of Atlantic Coast Line R. R.; J. E. Willoughby, Ch. Engr., Wilmington.

S. C., Rock Hill—Citizens Bank & Trust Co.'s building, nearly completed; loss \$8000.

S. C., St. Paul (P. O. at Summerton)—Depot of Northwestern R. R. Co. of South Carolina, John Wilson, Pres., Sumter.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Tenn., Livingston—Overton County Poorhouse; K. R. Quarles, Supt.

Tenn., Lawrenceburg—Lawrenceburg Mill Co.'s warehouse; loss \$35,000.

Tenn., Smyrna—W. G. Denny's store and amusement hall, Sam Adams' residence, Jefferson Hotel, owned and operated by J. J.

Anderson, at Jefferson Springs; loss \$11,000.

Tex., Comanche—Mercantile plant of Higginbotham Bros. & Co.; R. W. Higginbotham, 5002 Swiss St., Dallas, Pres.; loss \$200,000.

Tex., Lufkin—Victory Theater, owned by Lufkin Amusement Co.; loss \$20,000.

Va., Shenandoah—Shenandoah Milling Co.'s plant; loss \$200,000.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Ala., Montgomery—Scottish Rite Masons, 5½ S. Perry St., plan \$225,000 temple, Dexter Ave. and N. Decatur St.

Fla., Daytona—Young Men's Christian Assn. erect \$400,000 building, Second Ave., 3 stories, 105x130 ft., tile, oak and concrete floors, reinforced concrete foundation, tile and built-up roof, hollow and interior tile, ventilators, ornamental terra cotta, rolling partitions; John A. Rogers, Archt., 508 DeLand Rd., drawing plans; bids on equipment, furnishings, etc., opened about Nov. 15. Address Archt. (See Machinery Wanted—Lockers: Swimming Pool Apparatus.)

Fla., Fernandina—Amelia Lodge No. 47, A. F. & A. M., A. D. Simon, Chmn. Bldg. Comm., erect 2-story building, Fifth and Alachua Sts.

Fla., Fort Lauderdale—Fort Lauderdale Lodge No. 1517, B. P. O. E., W. A. Hicks, Exalted Ruler, plans \$50,000 building.

Ky., Russell—Chesapeake & Ohio Railway, C. W. Johns, Ch. Engr., Richmond, Va., reported to erect \$300,000 Y. M. C. A.; 300 rooms; drawing plans.

La., New Orleans—Sam Stone, Jr., Archt., 714 Union St., call for wiring bids about Oct. 20 for \$2,250,000 Masonic Temple, St. Charles and Perdido Sts., cost about \$85,000; James Stewart & Co., Contrs., 408 Pine St., St. Louis.

Md., Cumberland—Court Cardinal Gibbons No. 586, Catholic Daughters of America, remodel residence, 226 Union St., for clubrooms.

N. C., Chapel Hill—Order of Glimghouls, T. F. Hickerson, member, Bldg. Comm., erect stone castle, Piney Prospect on edge of Battle's park.

Okla., Rush Springs—Sam Newberry Post No. 80, American Legion, L. Brightbill, member, plans building.

Tex., Austin—Lone Star Chapter No. 6, Royal Arch Masons, receives bids Oct. 10 (lately noted Oct. 3) for fireproof temple; cost \$75,000, 2 stories, brick, stone and reinforced concrete; J. B. Davies, Archt., 1308 Hemphill St., Fort Worth, and W. E. Ketchum, Pope Bldg., Asso. Archts.*

Tex., Austin—Young Women's Christian Assn., E. H. Perry, Chmn., Bldg. Comm., plans ready for bids Oct. 10, to be received Oct. 24, for remodeling present building, Tenth St., and erecting new structure; 3 stories, reinforced concrete, hollow tile and brick, built-up roof, edge grain pine floors; total cost \$100,000; Giesecke & Harris, Archts., 207 W. Seventh St.*

Va., New Market—Grand Lodge, Knights of Pythias, selected New Market as site for \$100,000 children's and old folks' home.*

Bank and Office

Ala., Birmingham—American Trust & Savings Bank probably let contract within 30 days for remodeling 2-story adjoining building for additional quarters; cost \$100,000, banking equipment.

Ark., Paragould—Security Bank & Trust Co. receives bids Oct. 19 (extended date) at office E. M. Weems, Archt., for stone, brick, steel and concrete building; cost \$65,000, 2 stories, 50x75 ft., terrazzo floors, reinforced concrete foundation, standard built-up roof; furnishings, equipment, etc., \$25,000; bids same date.*

Fla., Coral Gables—Renaud Realty Co. plans 3-story store and office building, Ponce de Leon Blvd.

Fla., Jacksonville—Home Building & Loan Co., 205 E. Adams St., C. S. Pike, Pres., purchased building, 16-18 Laura St.; expend \$20,000 to remodel for quarters.

Fla., Lakeland—State Bank of Lakeland, W. W. Chase, Pres., plans \$1,000,000 office building; 12 or 15 stories, white enameled brick, reinforced concrete frame; Chase National Co. to incorporate and erect structure.

Fla., Miami—Dade County Security Co., 33 N. E. 1st Ave., erect \$800,000 office building, N. E. First Ave. and N. E. First St.; fireproof, steel frame, 15 stories, about 50x150 ft., cement floors, reinforced concrete foundation, hollow tile, mail chutes, vault lights, ornamental terra cotta, steel sash and trim, wire glass, 4 electric elevators; no heating; plumbing includes 4 or 5 electrically driven pumps and tanks; bank on first floor; Robt. A. Greenfield, Archt., Security Hotel, drawing plans; H. D. Hilburn, Constr. Engr.

Fla., Panama City—Wm. L. Wilson erect 7-story office building, Harrison Ave. and Second St.; stores on first floor.

Fla., Sebring—Highlands Bank & Trust Co., J. H. Garst, Pres., receives bids Oct. 26 for 9-story bank and office building; cost \$250,000, reinforced concrete frame, stone base, brick and terra cotta superstructure; plans and specifications from owners or from Fred A. Bishop, Archt., Virginia Railway & Power Bldg., Richmond.*

Fla., St. Augustine—Gould Butler, 57 Charlotte St., plans \$20,000 office building, Charlotte St.; 2 stories; plans by owner.

La., Cotton Valley—Commercial Bank of Cotton Valley, Ben Johnson, Pres., remodel and install fixtures in building.

Md., Baltimore—Mutual Life Insurance Co., 15 South St., receives bids Oct. 19 at office Parker, Thomas & Rice, Archts., Union Trust Bldg., for 5-story and basement building, Charles and Chase Sts.; 175x70 ft., Indiana limestone, Doric type.*

Miss., Columbus—Merchants & Farmers Bank erect 1-story building; 26x100 ft., marble, wood and concrete floors, composition roof, hollow and interior tile, vaults, ventilators; Claude H. Lindsley, Archt., Lamar Life Bldg., Jackson; drawing plans.*

N. C., Asheville—Hamilton-Barrett Syndicate erect administration building, connection with development, 850-acre tract, Fairview Valley, 12½ miles from Asheville, to be known as Carolina's Hollywood in the Land of the Sky.

N. C., Charlotte—Southern Railway, J. B. Munsey, Vice-Pres., Southern Railway Bldg., Cincinnati, O., receives bids Oct. 20 for concrete and pressed brick office building, W. Trade St.; cost about \$175,000, limestone trim, 3 stories, 107x138 ft., felt and pitch roof, mastic floors on cement, vacuum system heat; S. S. & G. H. Godley, Archts., 716 Southern Railway Bldg., Cincinnati.*

Okla., Okmulgee—J. W. McCulloch, 1324 E. Eighth St., selected Smith & Senter, Commerce Investment Bldg., as architects for \$350,000 office building, Fifth and Grand Sts.; 6 stories, 95x103 ft.*

Tenn., Johnson City—Stanyarne Little and sister purchased Powder-Harr Bldg.; reported to add 2 stories.

Tex., Dallas—Southwestern Bell Telephone Co. of Texas, J. E. Farnsworth, Vice-Pres., granted permission to take over franchise of Dallas Telephone Co., J. E. Farnsworth, Pres.; erect \$4,500,000 to \$5,000,000 office building, Akard St. between Jackson and Woods Sts.*

Tex., Laredo—Laredo Electric & Railway Co., care S. M. Udden, Frost Bldg., San Antonio, remodel 2-story brick office building; John Marriott, Archt., Frost Bldg.

Churches

Ark., Stuttgart—Christian Church plans building. Address The Pastor.

D. C., Brookland (Ind. Station Washington)—Brookland Baptist Church erect \$115,000 Sunday school building; 56x130 ft., wood and concrete floors, composition roof; equipment, \$10,000; Herbert L. Cain, Archt., 201 Grace Securities Bldg., Richmond, Va.; drawing plans.*

Fla., Boca Raton—Mizner Development Corp., Addison Mizner, Pres., reported erect Spanish type cathedral.

Fla., Miami Beach—Miami Beach Congregational Community Church, F. H. Henning, Chmn., Bldg. Comm., Box 94, erect \$340,000 church and community house, Pine Tree Drive and Dade Blvd.; 1 story and balcony and 2 stories, Mission Renaissance type; pipe organ from Skinner Organ Co., 215 Sydney St., Boston, Mass.; DeGarmo & Varney, Archts., 30 S. E. 6th St., Miami.*

Fla., Miami—Christian and Missionary Alliance erect \$50,000 building, N. W. 33rd St. and Fifth Ave.; seat 4000; T. W. Shepard, Archt.

Ga., Atlanta—Inman Park Baptist Church, Rev. S. A. Cowan, Pastor, 41 Poplar Circle, plans \$80,000 building.

La., Lake Charles—First Baptist Church, Lawrence Vincent, member, 436 East St., having preliminary plans drawn by I. C. Carter, Kaufman Bldg., for building.*

La., Shreveport—St. Matthews Methodist Church erect \$20,000 building; brick; assembly room seat about 600; E. A. George, Archt., 1146 Kings Highway; soon call for bids.

Md., Baltimore—St. Mark's M. E. Church have revised plans completed about 6 weeks for main auditorium and Sunday School; Clyde N. & Nelson Friz, Archts., Lexington Bldg.*

Miss., Lexington—Methodist Episcopal Church, South, care R. E. Wilburn, plans \$30,000 to \$35,000 brick building; 3 stories, 90x85 ft., wood floors, concrete foundation, tile or equal roof; no work until funds secured.*

N. C., Charlotte—Julian H. Little, Pres., Independence Trust Co., is chairman of bldg. comm. to select architect for \$500,000 Methodist Church in downtown section.

N. C., Durham—First Baptist Church, Dr. C. C. Coleman, Pastor, erect building, site of parsonage, Cleveland St.

N. C., Enfield—Methodist Episcopal Church plans building. Address the Pastor.

Tenn., Knoxville—Fifth Avenue Christian Church, Dr. Ritchie Ware, Pastor, plans \$60,000 building, Fifth Ave. and Williams St.

Tenn., Knoxville—Washington Pike M. E. Church, South, Rev. C. E. Lundy, Pastor, plans brick building.

Tex., Austin—University Presbyterian Church erect 3-story Sunday school annex; fireproof, brick, concrete floors, cost \$80,000; annex as first unit of \$250,000 structure; Fredk. M. Mann, Prof. of architecture, University of Minnesota, Minneapolis, Minn., and Endress & Cato, Bankers Mortgage Bldg., Houston, Tex., Archts.

Tex., Center—Center Methodist Church erect \$40,000 brick building. Address the Pastor.

Tex., Dallas—East Grand Avenue Baptist Church, T. B. Wallace, member Bldg. Comm., 5102 Fairview St., erect \$40,000 building; brick, stone, steel and frame, 3 stories and mezzanine, 55x92 ft.; Ferrand & Fitch, Archts., 701 Slaughter Bldg.*

Tex., Houston—Magnolia Park Baptist Church erect 4-story brick Sunday school building; C. A. Nelson, Archt.

Tex., Tenaha—Methodist Church plans \$10,000 brick building; raising funds. Address the Pastor.

Tex., Vernon—First Baptist Church receives bids Oct. 15 for church and Sunday school building; cost \$10,000, brick, stone and reinforced concrete, 3 stories, 40x70 ft. and 1 story, 50x90 ft.; Guy A. Carlander, Archt., 15 Massie Bldg., Amarillo.*

Va., Danville—Sledd Memorial Methodist Church, Rev. J. W. Rustin, Pastor, plans \$20,000 building.

Va., Richmond—Fifth St. Baptist Church has permit for \$90,000 building, 623 N. Fifth St.

W. Va., Fairmont—Christ Episcopal Church, Rev. Robt. La. Lambert, Pastor, erect parish house; plans drawn.

W. Va., Parkersburg—St. John's Lutheran Church approved plans by O. M. Topp, Jenkins Arcade, Pittsburgh, Pa., for building.

City and County

Fla., DeFuniak Springs—Walton County Commissioners' Court approved preliminary plans by Warren, Knight & Davis, Empire Bldg., Birmingham, Ala., and Pensacola, for \$150,000 courthouse; probably call for bids by Nov. 15.*

Fla., Fort Meade—City soon call election on \$75,000 city hall bonds. Address City Council.

Fla., Leesburg—City, C. B. Gamble, Act. Mayor Commr., receives bids Oct. 26 (extended date) at City Hall for city hall building; cost \$60,000, 3 stories, 80x46 ft., brick, composition built-up roof, slab rubber tile, linoleum and concrete floors, concrete foundation, hollow tile, vault lights, ventilators; plans and specifications from Alan J. MacDonough, Archt.; W. L. Chafin, Asso. Archt.*

Fla., Orlando—City Council rejected bids for municipal auditorium; Geo. Edw. Krug, Archt., 541 Hillcrest Ave.; John P. Parrish, Asso. Archt., care Mr. Krug.*

Fla., Wauchula—City votes Oct. 6 on \$85,000 city hall bonds. Address City Council.

Ga., Athens—Chamber of Commerce interested in stadium.

La., Crowley—Arcadia Parish Police Jury, Courthouse, receives bids Oct. 20 for 2-story jail and remodeling interior and heating system in courthouse; cost \$70,000; plans and specifications from Wm. R. Burk, Archt., Balter Bldg., New Orleans.*

Miss., Louisville—Winston County Board of Supervisors receive bids Oct. 7 for remodeling jail; plans and specifications on file at Chancery Clerk's office; Southern Steel Co., Archt., 4500 Block S. Presa St., San Antonio, Tex.

Mo., St. Charles—City considers remodeling second ward fire station or erecting new building. Address City Council.

Okla., Okeham—Okfuskee County, W. S. Seawell, County Judge, votes Oct. 26 on \$200,000 courthouse bonds; brick, stone and reinforced concrete.*

Tex., Lefors—Gray County, T. M. Wolf, Judge, McLean, erect reinforced concrete and brick fireproof addition to courthouse; vault; J. Roy Smith, Archt., 310 Blackburn Bldg., Amarillo.

Virginia—Mayor Wm. Albert Smoot, Alexandria, is member of committee from Culpeper, Loudoun, Orange, Fauquier, Fairfax, Prince William, Stafford, Louisa, King George and Arlington Counties and Independent City of Alexandria considering establishing central almshouse for Eighth Congressional District.

Va., Danville—City, City Auditor R. P. Moss, member, Bldg. Comm., erect \$30,000 brick fire station; 2½ stories, about 85x80 ft.; other details not decided; Wm. H. Deitrick, Archt., Raleigh, N. C.; tentative plans only.*

Dwellings

Ala., Bessemer—Tennessee Coal, Iron & Land Co. reported to build town on Mobile Junction farm.

Ala., Samson—Lou Aireton erect residence, Myrtle Johnson St.

Ark., Little Rock—C. A. Booher, 921 S. Maple St., erect 2 brick veneer dwellings, 3600-08 W. Tenth St.; total cost \$10,000.

Ark., Little Rock—L. S. Land erect brick veneer residence, 4109 W. 14th St.

Fla., Avon Park—Earl W. Hartt erect \$10,000 residence, Lake Lotela.

Fla., Avon Park—S. Y. Hartt erect \$10,000 residence, Lake Lotela.

Fla., Bartow—W. F. Eager sold 5-acre tract to Messrs. Pierce and MacGlashan, both Tampa; owners erect about 30 bungalows; 2 rooms, kitchenette and garage.

Fla., Boca Raton—Lady Bathurst, England, reported to erect 19-room villa, garage and docks facing Lake Boca Raton; Addison Mizner, Archt.

Fla., Bradenton—W. D. Griffin erect 2-story residence, Biltmore Court; J. H. Johnson, Archt.; plans completed.

Fla., Bradenton—Lawrence H. Haselton erect residence, Biltmore Court; J. H. Johnson, Archt.

Fla., Bradenton—D. H. Tallant erect residence, Ohio Ave. and Biltmore Blvd.

Fla., Coconut Grove—E. M. Coleman erect residence, Irvington; cost about \$10,000, Spanish type, cement block and stucco.

Fla., Coral Gables—Allan Artley Construction Co. erect \$12,500 dwelling, 3614 Avenue Palmarito.

Fla., Coral Gables—Gilbert & Mosley erect \$12,000 dwelling, 705 Avenue Navarre; one story, 6 rooms; J. T. Coppel, Archt.

Fla., Coral Gables—Carl A. Jahnigen erect \$13,000 residence, 2208 Segovia Circle; Spanish type; E. W. Easley, Archt.

Fla., Coral Gables—E. W. Pagel, 144 E. Flagler St., erect \$13,000 residence, 1033 Sorollo St.; 8 rooms, 2 stories, hardwood and tile floors.

Fla., Coral Gables—G. Glover Boake, 609 Gwynne Bldg., Cincinnati, O., reported to erect 10 dwellings, Riviera section; 2 baths, garages with servants' quarters and bath; cost \$50,000 or more each; total cost \$1,000,000; H. Geo. Fink, Archt., Congress Bldg., Miami; erect additional dwellings.

Fla., Coral Gables—W. H. Schroder erect \$13,000 residence, 3716 Durango St.; 2 baths; Raymond H. Gould, Contr.

Fla., Coral Gables—G. M. Fahnestock, 427

S. W. 8th Ave., erect residence, 1011 Genoa St.; cost about \$10,000; Adkins & Outten, Archts.

Fla., Coral Gables—J. C. Williams erect residence, 2707 Isabelle St.; cost about \$10,000.

Fla., Daytona—East Coast Tile Roofing Co., 230 S. Marion St., erect 3 dwellings, Grandview Ave.; total cost \$23,000.

Fla., Daytona—C. J. Miller erect \$10,000 residence and garage, Wild Olive and Jessamine Sts.

Fla., Daytona Beach—Theo. Steiber, Bridgeport, Conn., erect 5 dwellings as first unit of 40, Kahnway Heights; cost \$6000 each; Mediterranean type; E. F. De La Haye, Archt.

Fla., Fort Lauderdale—Chas. G. Rodes, St., erect \$50,000 residence, Las Olas Blvd., Venice subdivision; 12 rooms; John M. Peterman, Archt.

Fla., Fort Pierce—J. W. Knowles erect \$12,000 residence.

Fla., Fort Pierce—N. M. Letts, Fort Pierce, Edw. Poppel, New York, and others, plan 50 dwellings, White City; sell for \$3500 to \$4500 each.

Fla., Key West—Dr. J. M. Renedo erect \$12,000 concrete block residence, Margaret and Virginia Sts.

Fla., Key West—Mrs. Pauline S. Wardlow erect 2 bungalows, Waddell Ave. near Casa Marina.

Fla., Little River—L. B. Kirkpatrick erect 25 cottages, Ashbury Park, near 90th St.

Fla., Melbourne—Payne-Brown Development Co. erect 25 cottages, Hiawatha Gardens concrete tile, 4 rooms, shower baths, dressers, beds, chairs, desks and rugs.

Fla., Miami—Miami Real Estate & Building Co., 38 N. E. 2nd Ave., Willard E. Campbell, Pres., erect 500 small dwellings.

Fla., Miami—J. Arnovitz erect \$16,000 residence and garage, S. W. 11th Ave. near Eighth St.

Fla., Miami—W. B. Cates erect 25 dwellings, Grapeland subdivision; total cost \$100,000.

Fla., Miami—Nicholas Corso erect 7 dwellings, S. W. Third St.; total cost \$29,400.

Fla., Miami—L. B. Boyd, 1840 S. Miami Ave., erect 2 dwellings, S. W. 27th St.; total cost \$20,000.

Fla., Miami—Dr. John B. Seeds, 544 W. Flagler St., erect \$15,000 residence and garage, Musa Isles.

Fla., Ojus—Glen Gardner erect \$18,000, 2-story, 22-room residence, Maul St. and Dixie Highway.

Fla., Sarasota—Bachelor-Brewer Corp. erect \$35,000 dwelling, Avondale; Martin Studios, Inc., Archt.

Fla., Sarasota—A. L. Joiner, Vice-Pres. First Bank & Trust Co., erect \$35,000 residence; Martin Studios, Inc., Archt.

Fla., Sarasota—Martin Studios, Inc., drawing plans for number dwellings.

Fla., Sarasota—Mrs. Ella M. Thoms erect \$15,000 residence, Sapphire Shores; Spanish type; Martin Studios, Inc., Archt.

Fla., Sarasota—H. B. Williams erect \$35,000 residence, Sarasota Heights; Martin Studios, Inc., Archt.

Fla., Sarasota—F. E. Ballentine erect 10 dwellings, Ballentine Manor; cost \$12,000 to \$20,000 each, English type, 5 to 8 rooms and 2 baths; G. A. Freeman, Archt.; Rickerts & Haworth have contract for owner's personal residence.

Fla., Sebring—W. F. Born, 13936 Clifton Blvd., Cleveland, O., erect 20 dwellings, Lake Sebring.

Fla., Sebring—Jos. Witous and P. J. Shehan, both Chicago, Ill., erect 6 dwellings.

Fla., Sebring—Geo. F. Carter, Decatur, Ill., erect 10 dwellings, Lake Sebring.

Fla., St. Petersburg—Ozrow Kennerly, Indianapolis, Ind., reported, erect residence, Pinewood sub-division.

Fla., St. Petersburg—Frank Lockett, Peoria, Ill., erect residence, 16th St. near Tangerine Ave.

Fla., St. Petersburg—Frank H. Anderson erect \$25,000 Spanish type residence, Seminole Estates.

Fla., St. Petersburg—E. Stanley Klein erect residence, Seminole Estates.

Fla., St. Petersburg—W. A. Lawson, Hampden, Mass., erect 2 dwellings, Seminole Estates.

Fla., St. Petersburg—E. H. Lewis, 1608 Lakeside Ave., erect \$12,000 frame residence and garage, Sixth Ave. and 27th St., North; 2 stories.

Fla., St. Petersburg—Mrs. Geo. Lizotte purchased home site, Jungle Shores.

Fla., St. Petersburg—Dr. A. M. Rowley, Senior Surgeon, Hartford Hospital, Hartford, Conn., erect residence, Seminole Estates; Lester Avery, Archt.

Fla., St. Petersburg—Christian Skivesen purchased 11 lots 23rd Ave. near Fourth St., North; erect number dwellings. (Lately noted in part.)*

Fla., St. Petersburg—A. J. Sackridge erect 5 dwellings, 39th St. and Sixth Ave., North.

Fla., Tampa—Beach Park Co., Warner Bldg., T. Roy Young, Gen. Mgr., erect 12 dwellings, Beach Park.

Fla., West Palm Beach—Frank E. Daily erect Spanish-type residence, Del-Raton Park.

Fla., West Palm Beach—Palm Beach Mortgage Corp., Geo. W. Platt, Pres., reported to erect 600 dwellings.

Md., Baltimore—Nathan Voloshen, 2419 Eutaw Place, and Morris A. Rome, Equitable Bldg., reported erect number dwellings, Park Heights Ave. and Cross Country Blvd.

Md., Baltimore—West Forest Park Co., Hillsdale St. and Carleview Ave., purchased property, Kathland and Clarendon Aves., and erect dwellings.

Md., Baltimore—Saml. R. Boyd, 16 E. Lexington St., erect \$15,000 dwelling, W. side Greenway near Stratford Rd.; 2 stories, brick.

Md., Baltimore—Michael Norton, 4512 Main Ave., erect 10 brick dwellings, Kernwood Ave. and Cold Spring Lane; 2 stories; total cost \$40,000.

Md., Baltimore—John B. Royer, 509 N. Charles St., erect \$15,000 residence, 210 Longwood Rd.; stucco on cinder block, stone foundation, slate roof, hot water heat (oil burner); E. A. Wolf, 3rd, Archt.

Md., Baltimore—M. L. Shipley, 1825 N. Calvert St., erect \$2000 cottage, Woodbine and Haddon Aves.; 2 stories, 32x74 ft.

Md., Baltimore—Frank W. Strehlau, 111 Hawthorne Rd., erect \$15,000 residence, Thornhill Rd. near Putney Way, Homeland; 2½ stories.

Md., Frederick—Chas. H. Kehne erect double concrete residence, E. Second St., extended.

Md., Severna Park—Isaac C. Rosenthal, 4001 Barrington Rd., Baltimore, purchased Severn Manor at Whitneys Landing; probably erect summer residence.

Mo., Kansas City—L. C. Bergstein, 429 W. 68th Terrace, erect \$10,000 residence.

Mo., Kansas City—M. Spurlock erect 5 dwellings, 503-11 N. Hardesty St.; total cost \$15,000.

Mo., Kansas City—Ward Investment Co., 812 Pioneer Trust Co. Bldg., erect \$13,000 dwelling, 5034 Sunset St.

Mo., Springfield—W. R. Price, 976 N. Main St., erect residence, 1000 block N. Main St.

N. C., Asheville—Mrs. F. L. Griggs erect \$10,000 residence, Forest Hill Drive; 12 rooms.

N. C., Asheville—L. B. Jackson, Jackson Bldg., and D. L. Strain erect 12 dwellings, connection with development Black Mountain Highway, 4½ miles from Asheville; cost \$10,000 each.

N. C., Asheville—Steele & Co. erect 3 dwellings, Forest Hill Drive; 6 rooms; total cost \$12,500.

N. C., Charlotte—Fidelity Realty Co. erect about 15 dwellings, Derita Rd.; frame, cost about \$3000 each.

N. C., Durham—Dr. Wm. Copperidge, First National Bldg., erect \$12,000 brick veneer residence, Forest Hills.

N. C., Durham—G. Frank Warner, Lynch St., erect \$10,000 stucco residence, Forest Hills.

N. C., High Point—Guy Grimes erect \$10,000 residence, Otteray Drive; 8 rooms.

Okla., Oklahoma City—Geo. D. Key, Oil Exchange Bldg., plans \$35,000 brick veneer residence.

Tex., Dallas—S. E. Cox erect \$10,000 brick residence, 3612 Normandy St.

Tex., Dallas—O. E. Dalton erect \$13,500 brick residence, 2428 Princeton St.

Tex., Dallas—R. A. Flume, 729 Winston St., erect \$14,000 brick residence, 4225 Versailles St.

Tex., Dallas—S. A. Rose erect \$20,000 brick veneer residence, 4222 Arcadia St.

Tex., Dallas—E. B. Smith, 2515 Kingston St., erect \$16,000 brick veneer residence, 3308 Beverly Drive.

Tex., Dallas—A. G. Wilson erect \$21,000 brick residence, 4200 Armstrong Pkwy.

Tex., Houston—M. C. Pantham erect 2-story brick veneer and frame residence.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Southampton; L. A. Glover, Archt., both 3118 Austin St.

Tex., Houston—J. W. Parker erect \$20,000 residence, 106 Lovett Blvd.; frame and brick veneer, 9 rooms.

Tex., Houston—J. Van Demark, 608 Caroline St., erect \$21,000 residence and garage, 2217 Rosedale St.; 10 rooms, frame and brick veneer.

Tex., San Antonio—W. A. Baily, Kayton, St. and S. Gevers Ave. reported erect 200 dwellings, Highlands addition; cost \$4000 to \$10,000 each; total cost \$1,000,000.

Tex., San Antonio—G. C. Walker, 208 W. Craig Place, ready about Oct. 24 for bids on 2-story brick veneer residence, Grammercy Place, Monte Vista Addition; Aug. Herff & Co., Archts., San Antonio Loan & Trust Co. Bldg.

Tex., San Antonio—H. Lee Ransom, care Ransom & Silsbee, 224 E. Houston St., erect residence, Encino Ave., Alamo Heights; Kelwood Co., Archts., Travis Bldg.

Tex., San Antonio—Mrs. Lola J. Thompson, 106 Pardee St., plans 5-room frame bungalow, 300 block Buckingham Ave.

Tex., San Antonio—A. E. Quasso, 207 N. Presa St., plans 6-room frame bungalow, W. Houston and Minter Sts.

Tex., San Antonio—T. J. Devine, 427 W. Huisache Ave., plans 2-story residence, Oakmont Addition.

Tex., San Antonio—Alamo Development Co., Travis Bldg., erect 5 dwellings, 1003-11-15-19 Hoefgen an d1623 McKinley Aves.; 5 and 6 rooms, frame; total cost \$15,250.

Tex., San Antonio—Major B. G. Dickinson, 319 Carnahan St., erect \$10,000 frame and stucco residence, 510 Pershing Ave.; 1 story, 6 rooms; Phelps & DeWees, Archts., Gunter Bldg.; W. H. Carrington, Contr., 1127 Riggsby Ave.

Virginia—Thos. Fortune Ryan, New York, reported to erect residence, Nelson County.

Va., Richmond—Mrs. F. L. Anthony, 719 Rowe St., erect \$12,000 residence, 1505 Wilmington Ave.

Government and State

Ala., Samson—Capt. A. L. Faulk erect armory.

Hospitals, Sanitariums, Etc.

Mo., St. Louis—Franciscan Sisters, Florissant and Woodstock Rds., have completed plans by Victor J. Klutho, Syndicate Trust Bldg., for \$500,000 additions to St. Anthony's Hospital, Grand Blvd. and Chippewa St.; 50x150 ft. with two 20x40-ft. solaria; fireproof, reinforced concrete floor slabs and columns, terrazzo, tile or linoleum floors, 2 automatic elevators, dumb waiters; 6 operating rooms on top floor; sterilizing room, laboratories, kitchen, etc.*

N. C., Morganton—Chas. C. Hook, Archt., 517 Johnston Bldg., Charlotte, receives bids Oct. 14 for nurses' dormitory wing and fire dept. bldg. at State Hospital; separate bids for plumbing and heating; also for plumbing in 3 buildings recently completed; drawings and specifications on file at office Archt. and state Hospital.

Okla., Norman—State Board of Public Affairs, Carl L. Rice, Chmn., Oklahoma City, plans \$40,000 tuberculosis ward at Central State Hospital.

Tenn., Beverly (Mall Fountain City)—City of Knoxville and Knox County erect \$36,000 brick veneer infirmary; 2 stories, 42x96 ft., hardwood floors, concrete foundation, slate roof, interior tile, plaster board, ventilators, steam heat, electric work; Baumann & Baumann, Archts., 813½ Market St., Knoxville; completing plans.*

Tenn., Memphis—Eye, Ear, Nose and Throat Hospital Assn., Chas. J. Haase, Pres., has low bid at \$111,000 from H. J. Gilbertson & Co., Goodbar Bldg., for 4-story building, Madison Ave. and Somerville St.; Jones & Furbringer, Archts., Porter Bldg.

Hotels and Apartments

Ala., Mobile—Battle House Co., Inc., St. Francis and Royal Sts., start work about June, 1926, on completion of two top floors of present hotel; 151x170 ft., \$100,000 to \$125,000, 2 stories, gravel roof, cement floors; C. L. Hutchinson, Archt., State Bank Bldg.

Fla., Clearwater—Mayor Frank J. Booth, Contractor Albert Wallace and W. W. Ulmer will erect \$100,000, 3-story, 35-apartment building, North Fort Harrison and Myrtle Aves.

Fla., Cocoa—M. H. Davis plans to erect \$30,000, 2-story apartment house, Parkway St.; R. W. Rummell, Archt.

Fla., Coral Gables—Miami Real Estate & Building Co., 38 N. E. 2nd Ave., erect \$26,000, 2-story, 8-family apartment house, Salamanca Ave.

Fla., Coral Gables—Arthur L. Bishop erect \$35,000, 4-apartment building, 115 Avenue Antiquera; H. George Fink, Archt., Congress Bldg., Miami.

Fla., Coral Gables—O. H. Boufford erect \$10,000, 2-story, 3-family apartment house, N. W. 34th St.

Fla., Coral Gables—Laidlaw & Southworth erect \$70,000, 3-story, 44-room hotel building.

Fla., Coral Gables—R. W. Perry erect 2 apartment houses, Mendoza Ave.; \$50,000.

Fla., Coral Gables—Ned Stivers erect \$25,000, 2-story, 8-family apartment house.

Fla., Coral Gables—Mrs. Mattiline Young erect \$50,000, 8-family apartment house, 3619 Le Jeune Road; A. F. N. Everett, Archt.

Fla., Dade City—L. C. Edwards, 713 S. Delaware Ave., A. J. Simms, Citrus Exchange Bldg., Tampa; L. C. Hawes compose syndicate for development of 1200 acres, to include erection of 100-room tourist hotel.

Fla., Dania—Alley & White erect \$60,000, 3-story, 40-guest room hotel.

Fla., Daytona — A. C. Fuquay, 704 N. Ridgewood St., and C. R. Carroll have plans in progress by E. F. De La Hays for 2-story, stucco over frame apartment house, Tanglewood Ave.

Fla., Daytona—Walter C. Hardesty wires: "Rio Vista Hotel was sold to local syndicate headed by Roy Gridley, L. E. Hove and T. J. McReynolds, Sr., 425 Atlantic Ave., S. E.; contract for completion of hotel being negotiated this week in Atlanta; plans being made with object in view of rushing work so as to open not later than Feb. 1st; hotel under roof and several important material contracts are being delivered including sash and doors, sprinklers equipment and plumbing."

Fla., Delray—Frank E. Daily erect 3-story apartment building and Spanish type home in Del-Raton Park.

Fla., Fort Lauderdale—Tom M. Bryan erect \$15,000, 2-story, 6-family apartment house, Middle St.

Fla., Fort Lauderdale—John H. Crippen erect \$30,000, 2-story, 4-family apartment house, Carmen Drive.

Fla., Fort Pierce—E. L. Taylor erect \$20,000 apartment house.

Fla., Hollywood—Charles Zinkil erect \$20,000, 2-story, 37-room rooming house, Second Ave.

Fla., Lake Butler—King Properties, Inc., Jacksonville, reported, interested in erection of hotel and country club in connection with development.

Fla., Lake Stearns—Frank A. Vanderbilt, Pres. of National City Bank of New York, purchased Lake Stearns and tract surrounding, reported plans improvements including \$1,000,000 hotel.

Fla., Lake Worth—T. J. Drake erect \$70,000, 2-story apartment building with restaurant on ground floor, 12th and J Sts.

Fla., Little River—L. A. Meron erect \$25,000, 2-story, tile and cement block apartment building, 50th St.

Fla., Little River—Florida Housing Association purchased 53x150-ft. lot, Parish St., erect stucco cement block, fireproof, 72-room hotel for laborers.

Fla., Miami—Willard E. Campbell, Pres. of Miami Real Estate & Building Co., 38 N. E. Second Ave., announced completion of plans for erection of 25 apartment houses.

Fla., Miami—A. T. Emenhiser soon start work on \$75,000 bungalow court style apartment house, Ward Blvd., to be first of 20 similar buildings contemplated.

Fla., Miami Beach—Monihan Properties, Inc., erect \$40,000, 16-apartment house, Meridian Ave.; Pfeiffer & O'Reilly, Archts., Hahn Bldg., Miami.

Fla., Miami—Best Value Homes Corp., A. M. Frankel, Sec. has completed plans by George Gaynor Hyde, Lorraine Arcade, for \$80,000, 3-story store and apartment building in Brickell Hammock near 26th Road and S. W. Third Ave.; also preparing plans for \$175,000 building to contain 35 four-room apartments and 6-stores.

Fla., Miami—Perkahl Co. has permit for remodeling hotel, 60 N. E. Third St.; August Geiger, Archt., Calumet Bldg.

Fla., Miami—Frank V. Newell, Archt. and Pres.-Treas. of Modern Investment Co., 1737 W. Flagler St., announced erection of 12-story, 142x150 ft. Newell Hotel, N. W. cor. W. Flagler St. and 17th Court; cost \$3,000,000, including site; contain 840 rooms divided into 264 apartments of 2 and 3 rooms

and 180 transient hotel rooms; Moorish architecture, reinforced concrete construction; to be erected in 3 units, first to be started Dec. 1 and cost \$1,000,000.

Fla., Miami—W. F. Studwell, 1741 N. W. 18th Terrace, erect \$18,000, 2-story, 4-apartment house, 1753 N. W. 18th Terrace.

Fla., Miami—Paul C. and C. Vaughn erect \$25,000, 2-story apartment house, 623 N. W. 45th St.

Fla., Miami—E. J. and M. Deakin erect \$16,000, 2-story, 4-apartment house, N. E. 25th St.

Fla., Miami—M. J. Grunblott erect \$20,000, 8-unit apartment house, S. W. First Ave.; A. R. Chananie, Archt.

Fla., Miami—Harry Mundell erect \$35,000, 3-story, 12-family apartment house, S. W. Tenth Ave.

Fla., Miami—Wolpert Realty & Improvement Co., 275 N. E. 25th St., erect \$125,000, 3-story building, S. W. Sixth St., 3 stories on first floor, 30-family apartments above.

Fla., Miami—W. J. Booth erect \$12,000, 2-story apartment house on N. Miami Ave.

Fla., Miami—Florida East Coast Railway Co., St. Augustine, erect \$25,000, 2-story, 4-family apartment house, N. E. 29th St. near N. Miami Ave.

Fla., Miami—Gulf States Holding Co. erect \$40,000, 3-story, 18-family apartment house, 520 N. E. 31st St.

Fla., Miami—F. C. Johnson erect \$10,000, 2-story, 4-family apartment house, 27th St.

Fla., Miami—Shutts & Bowen, First Nat'l Bank Bldg., erect \$40,000, 3-story, 18-family apartment house, S. W. Sixth St.

Fla., Miami—George E. Whitten, 1661 S. W. 11th St., erect \$40,000, 3-story, 12-family apartment house, S. W. Sixth St.

Fla., Miami Beach—Dr. C. G. Kneedler erect \$75,000, 3-story, 24-family apartment house, Washington Ave.

Fla., Miami Beach—Lincoln Securities Co. erect \$92,000, 3-story, 46-family apartment house.

Fla., Miami Beach—William Penn Hotel Corp., 7th St. and Penna. Ave., A. Richard Spira, plans 2-story addition to cost \$250,000, provide about 70 rooms.

Fla., Miami Beach—Theodore Randmetz, 1000 N. W. 10th Ave., Miami, erect \$60,000, 3-story, 26-apartment house, Jefferson Ave.; R. A. Preas, Archt., Real Estate Bldg.*

Fla., Pensacola—L. C. Hagler, owner of San Carlos Hotel, plans remodeling and addition.

Fla., Pompano—A. W. Kimmel erect \$30,000, 2-story, 8-family apartment house, Palace St.

Fla., Sarasota—Rhodes & Hale plan to erect apartment houses and residences in Bahia Vista.

Fla., Sarasota—Julian S. Starr, Archt., Box 2151, completed plans for \$20,000, Spanish type, hollow tile stuccoed apartment building for A. S. Skinner; tile baths, built-in cabinets; also for \$10,000, reinforced cement, buff brick boathouse; green glaze tile roof, terrazzo floor.

Fla., Seabreeze—D. T. Pickles erect \$14,000 duplex apartment house, Grandview Ave.

Fla., Silver Bluff—Eldred Mowery erect \$25,000 rooming house, Trapp St. and Washington Ave.; 2 stories.

Fla., St. Augustine—J. E. Cole and A. J. Perry, part owners of St. Augustine Beach hotel, plan remodeling, stucco exterior and 60-room addition.

Fla., St. Petersburg — John N. Brown, owner of Suwannee Hotel, has plans by H. E. Wendell for dining room addition; 60x100 ft.; plans to erect another wing next summer.

Fla., Tampa—Tampa Seamen's Institute, E. W. Shaw, Pres., 710 S. Rome Ave., erect 6-story, fireproof building, Cumberland St. and Nebraska Ave.

Fla., West Palm Beach—Edward F. Hamel, Inc., erect \$130,000, 3-story, 50-guest room hotel, Everglades Ave. and Bradley St.

Fla., West Palm Beach—C. A. Bingham and associates erect \$55,000, 2-story, 14-family apartment house.

Fla., West Palm Beach—William Herbert erect \$20,000, 3-story, 24-family apartment house on Broward Ave.

Fla., Winter Haven—L. Lewis, Pres., 801 Eighth Ave. and J. H. O'Brien, Sec.-Treas. of Billboard Corp., New York, have completed plans by B. C. Bonfoey, Petteway Bldg., Tampa, soon start work on \$250,000, 7-story apartment hotel, Sixth St. and Howard Ave., to be known as Hundred Lakes Apartment Hotel; first floor contain 8 store

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rooms, upper floors 19 apartment suites each.*

Ga., Augusta—Benjamin H. Marshall, Archt., 200 E. Welton Place, Chicago, Ill., reported to erect \$10,000,000 resort hotel and winter colony, across Savannah River in North Augusta, S. C.; Mr. Marshall wires: "Expect to start hotel development in about 60 days."

Ga., Augusta—Commodore J. Perry Stoltz, owner Fleetwood Hotel, Miami Beach, Fla., purchased 400 acres of land on Washington Road and plans to build \$2,000,000 hotel, to be known as Fleetwood of Augusta; 15 stories, 300 rooms, radio broadcasting station and concert studio on 15th floor; dining room, kitchen and other facilities on 14th floor; Adair Realty & Trust Co., Atlanta, Ga., handle financial details.

Ky., Ashland—Lee Taschell and Thomas Gresham, American Natl. Bank Bldg., both Richmond, Va., have option on property, 13th St. and Winchester Ave., announced construction of 11-story, fireproof hotel building; plans include razing part of present Ventura Hotel and remodeling balance; Wysong & Bengston, Archts., Professional Bldg., Charleston, W. Va.

Ky., Covington—John H. Klette and Henry W. Jonisch interested in erection of hotel.

La., Ruston—A. H. Henderson is not considering erection of hotel on Finley property.*

Miss., Tupelo—W. A. Mothershed purchased Tupelo Hotel, erect 30-room, fourth floor addition, enlarge dining room.

Mo., Springfield—L. N. Allen, Pittsburg, Kansas, purchased Marquette Hotel, expend \$10,000 for improvement of furnishings and decoration.

Mo., Springfield—Mrs. E. I. Collins, purchased Knights of Columbus property on E. Walnut St., announced plans for \$200,000, 3-story and basement, brick, stone and concrete, fireproof, 75-apartment hotel.

Mo., Springfield—Charles Lawrence, 725 S. Kansas St., remodel apartment house, 301-5 Mount Vernon St.; \$10,000.

North Carolina—Secretary of War Weeks, Washington, accepted bid of \$201,500, by S. O. Chase, Hillsboro Hotel, Tampa, and L. S. Skinner, Sanford, both Florida, for Fort Caswell embracing 2693 acres, contemplate converting into summer and winter resort and erection of hotel.

N. C., Asheville—Stradley Mountain, Inc., John A. Bechtel, Pres., 17½ Patton Ave.; C. P. Edwards, Sec., New Medical Bldg., expend \$2,200,000 for development of 300-acre tract on Brevard Road to include \$1,300,000 hotel and \$150,000 golf course; plans by LaFayette Development Co., 17½ Patton Ave.

N. C., Greensboro—Col. W. F. Clegg, S. Elm St., contemplates erecting hotel building on Buchanan St., between Green and Elm Sts.

N. C., Hendersonville—S. H. Hudgins, Pres. of American Bank & Trust Co., erect \$100,000, 3-story apartment building, Church and Sixth Sts.

Okla., Durant—Chamber of Commerce appointed W. Bridges, Sec. of Committee to consider plans and propositions for erection of hotel.

Tenn., Nashville—H. E. Sexton erect \$10,000 addition to brick apartment, S. W. cor. Hillsboro and Highland Aves.

Tenn., Newport—C. C. Carter, Hartford, reported to plan erection of summer hotel on crest of Hall's Top Mountain.

Tex., Austin—Texan Hotel, Will T. Caswell, Littlefield Bldg., and H. B. Starkey, 1216 Baylor St., owners, plans in progress by H. F. Kuehne, 824 Littlefield Bldg., for \$30,000, brick, 24-room addition.*

Tex., Brownsville—James-Dickinson Co. opened bids for erecting 6-story and basement, 200x100 ft., hollow tile and stucco, 155-room hotel; General Contracting Co., 615 Nogaligos St., San Antonio, low bidders at \$101,000; Kelwood Co., Archt., Travis Bldg., San Antonio.*

Tex., Dallas—J. L. Bothwell, Archt., 1203 Athletic Club Bldg., preparing plans for \$95,000, 3-story and part-basement, brick, stone, reinforced concrete and steel store and hotel building, St. Paul and Trinidad Streets.

Tex., Dallas—J. M. Hobson, 1008 Fidelity Union Bldg., let following contracts for erection of 16-apartment building, 4915-17 Columbia Ave.: General Mahaffey & Howard, 309 Gaston Bldg., \$45,000; plumbing, Trinity Plumbing Co.; electric wiring, Graham Electric Co., 1642 Bryan St.; brick, Reliance Brick Co., S. W. Life Bldg.; cast stone, Dallas Cement Stone Co., 1117 Forney Ave.; steel, Mosher Steel Co., 900 S. Austin St.

Tex., Dallas—Arch C. Dendinger, 4302

Cedar Springs Ave., erect \$11,000, 12-room, brick veneer, 2-apartment building, 4141-3 Wycliffe St.

Tex., Dallas—H. S. Masters, 4407 Oak Lawn Ave., erect \$10,000, 12-room, brick veneer, 2-apartment house, 4003-5 Prescott Street.

Tex., Dallas—N. O. Miller, 114 N. Garrett St., erect three 6-room, brick veneer, 12-apartment building, 5020-1-30-1 Center St.

Tex., Dallas—R. E. Wilson, 1311 S. Fitzhugh St., erect \$15,000, 24-room, brick veneer hotel, 5231 Phillips St.

Tex., Donna—Messrs. A. F. Hester & Sons receive bids until Oct. 13 for third story addition to Plaza Hotel; bids on plumbing and electric wiring be received separately; plans may be obtained from Paul G. Silber & Co., Archts., 331 Bedell Bldg., San Antonio.

Tex., Galveston—S. Goldman erect frame and brick veneer, 4-apartment building with garage, 1535 Hawthorne; \$15,000.

Tex., San Antonio—William B. Waldep of Waldep Merchandise Co., heading Tulsa capital, plans to erect 10-story, fireproof, 200-family unit apartment hotel building, Nopal St. and Steves Ave., cost \$500,000, including fixtures and furnishings.

Va., Stuart—H. A. Ford, Martinsville, and H. P. Shedd, 61 Greenway Terrace, New York, acquired tract in Patrick County, including Lover's Leap, reported considering development, including tourist hotel.

W. Va., Wheeling—Security Trust Co. reported to erect \$500,000, 7 or 8-story, brick, concrete and steel, 200-room hotel on site of Stratford Springs Hotel, Woodlawn, destroyed by fire; George W. Petticord, Contr., Birch Lynn, preparing plans; Lewis Vandyne, Greggsville, has contract for excavating.

Miscellaneous

Fla., Lockart—Magnolia Home Society, Rev. H. Boyd, purchased 25-acre tract; erect home for aged and cripple dependents.

Fla., Orlando—Country Club started remodeling and improving clubhouse, to cost \$50,000.

Fla., Sarasota—A. S. Skinner has plans by Julian S. Starr, Box 2151, for \$10,000 boathouse.

Miss., Yazoo City—Yazoo Country Club, W. M. Gooch, open bids in about 30 days for \$12,000, 1-story and basement, frame, 120x40 ft. clubhouse; hardwood and pine floors, concrete foundation, asphalt shingle roof, plaster board; C. H. Lindsley, Archt., Lamar Life Bldg., Jackson, bids recently rejected.*

Mo., Kansas City—Schutte Investment Co., 1532 Grand, erect \$40,000, 2-story building.

Tex., San Antonio—San Antonio-Casino Club has plans in progress by Kelwood Co., Travis Bldg., for 6-story, brick and reinforced concrete building, Crockett and S. Presa Sts.

Railway Stations, Sheds, Etc.

Fla., West Palm Beach—Florida East Coast Rwy. Co., H. N. Rodenbaugh, Gen. Mgr., St. Augustine, reported plans \$500,000 improvement; include concrete freight station 300x50 ft. and 2 freight house tracks, to cost \$100,000.

Schools

Ark., North Little Rock—School Board, W. E. Phipps, Supt., authorized H. Ray Burks, Archt., Southern Trust Bldg., Little Rock, prepare plans for rebuilding High School, recently burned.*

Fla., Lakeland—Board of Trustees of Southern College adopted plans approving \$11,000,000 endowment fund; includes erection of boys and girls dormitories, library and administration building; Dr. Ludd M. Spivey, Pres.*

Fla., Miami Beach—Charles M. Fisher, Supt. Dade County Board of Public Instruction, Miami, advises in regard erection of Miami Beach Junior High School: "Project has been called off until material situation is more normal."

Fla., St. Petersburg—Capt. George M. Lynch, Supt. of Schools, announced erection of two 5-room temporary buildings.

Fla., Tampa—Board of Trustees School District, care Sexton Johnson, business supervisor, plans to erect shop additions to Memorial and Wilson Junior High Schools.

Ga., Chickamauga—Town voted \$12,000 school bonds; W. M. Patterson, Supt. of Schools.

Ky., Louisville—City votes Nov. 3 on \$5,000,000 school bonds. Address Board of Education.

Ky., Marrowbone—Citizens raised \$10,000 for new high school building; Gilliam Norris.

Louisville, offered like amount. Address Board of Trustees.

La., Barataria—See La., Kenner.

La., Kenner—Jefferson Parish School Board, Gretna, have plans and specifications for general contract bids in about 3 weeks, by Wm. R. Burk, Balter Bldg., New Orleans for \$80,000, 2-story, pressed brick, 8-room school building at Kenner, and \$7000, frame 4-room school at Barataria; composition and slate roofs, plastered interior, plumbing, heating and electric wiring.

Md., Baltimore—Board of Awards, Mayor Howard W. Jackson, Pres., receives bids until Oct. 14 at office F. A. Dolfield, City Register, City Hall, for construction of concrete foundations for main building and powerhouse and connecting tunnel complete for Baltimore City College, on lot bounded by Gorsuch and Montebello Aves., 33rd St. and the Alameda; also on same date for erection of Lyndhurst School, Collins Ave. and Lyndhurst St.; plans and specifications for both may be seen at office H. G. Perriag, Supervising Engr., Public Improvement Commission, 518 Hearst Tower Bldg.*

Md., Chestertown—Washington College reported plans erection of dormitory.

Miss., Philadelphia—Board of Mayor and Aldermen purchased site; call election Oct. 16 on \$65,000 bonds for erecting new school building.

Mo., Marionville—School Board plans to erect gymnasium at school.

N. C., Asheville—Buncombe County Board of Commissioners considering calling \$100,000 bond election in Biltmore School District for erecting High School.

N. C., Asheville—Buncombe County Board of Education announced selection of 10-acre site, Burnsville Highway and Democrat Road, for proposed consolidated school for Flat Creek section; \$55,000 bond issue contemplated.

N. C., Bellwood—Cleveland County Board of Education, care J. C. Newton, Shelby, receives bids until Oct. 14 for erecting and steam heating school building; plans may be secured from Mr. Newton or Linthicum & Linthicum, Archts., 17 S. Wilmington St., Raleigh.

N. C., Shelby—City voted \$200,000 bonds for school building program. Address School Board.

Okla., Drumwright—School District No. 32 soon let contract for \$25,000 high school building. Address Board of Trustees.

S. C., Spartanburg—Converse College has permit for central steam heating plant and laundry building to cost \$18,835; start work on new infirmary soon; Lockwood, Greene & Co., Engrs.*

Tenn., Chattanooga—Fred B. Frazier, Commissioner of Education, has plans in progress for 6-room addition to East Lake Grammar school.*

Tenn., Madisonville—Monroe County Board of Education authorized construction of school between Blount County line and Toqua Island, also school for Sweetwater community.

Tenn., Springfield—City voted \$90,000 bonds to be used as follows: \$49,500 for purchasing Peoples-Tucker school and equipment, \$12,000 for repairing main building, \$22,500 for new site and building for Woodland St. school, \$7500 for Bransford negro school.*

Tex., Austin—University of Texas building committee, Dr. W. Battle, Chmn., made plans for new power building to cost \$200,000; plans chemistry and library buildings to cost \$500,000.

Tex., Artesia Wells—School Board, B. B. Pearson, Sec., receives bids until Oct. 15 for 1-story, \$10,000, 75x43 ft., brick and stucco, 4-room and auditorium school building; Henry T. Phelps, Archt., Hicks Bldg.*

Tex., Breckenridge—Board of Education, J. E. Hickman, Pres., contemplates erecting \$100,000, brick and reinforced concrete ward school building.

Tex., Dallas—Board of Education has preliminary plans in progress by Lang & Witchell, American Exchange Bank Bldg., for 1-story addition to High School building, Highland Park; bond election soon.

Tex., Eagle Pass—Congregation del Divine Pastor, Marie Delores Sandoval, trustee, purchased 2-story Country Club building, remodel and convert into Catholic boarding school for girls.

Tex., Harrisburg—Harrisburg Independent School District Board of Trustees receives bids until Oct. 11 for \$75,000, concrete frame,

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fireproof, 104x62 ft. gymnasium and auditorium addition to Magnolia Park High School; 2 stories, composition and concrete floors, reinforced concrete foundation, asphalt roof, hollow tile, interior tile, ventilators, steel sash and trim, wire glass; John McLelland, Archt., 605-7 West Bldg., Houston.*

Tex., San Antonio—Board of Education Paul H. Scholz, Bus. Mgr., announced \$3000 to \$6000 will be expended for further equipment in chemistry and physics department of Junior College by University of Texas.

Tex., Wylie—Wylie School District Board of Trustees has plans in progress by William Nichol & George Campbell, 12 Radford Bldg., Abilene, for \$15,000, 56x102 ft., face brick school building.

W. Va., Pratt—West Virginia Episcopal Diocese headed by Bishop W. Gravatt, Charleston, considering converting Sheltering Arms Hospital into school for boys.

Stores.

Ala., Huntsville—Thomas T. Terry, Pres. of Farmers' State Bank, purchased Post block on Jefferson St.; erect 2-story business building.

Ala., Oakman—S. L. Karrh erect 1½-story, brick store building, Main and Walter Oak Sts.; 40x30 ft. and 40x110 ft.

Fla., Bradenton—C. W. Jennings erect 2-story, cement block and stucco, 21-storeroom arcade, Main St.; 12 ft. wide, 220 ft. long.

Fla., Lakeland—Miller Hardware Co. erect \$35,000, brick with stucco front store building, S. Kennedy Ave.; 2 stories with 3 additional stories to be added later.

Fla., Fort Pierce—V. G. Ponie, 1808 S. Ashland St., Chicago, Ill., erect 2-story, 50x140 ft., 6-stories and 12-apartment building.

Ga., Augusta—Maxwell Brothers, 973 Broad St., purchased Fredericksburg store, Broad and McCartan Sts., replace with huge store building.

Miss., Pass Christian—Shaw & Woleben Archts., Gulfport, soon let contract for \$25,000, 2-story, 82x40 ft. store and office building for Dr. D. C. Rafferty.

Mo., Rich Hill—Homer E. Driskill erect 1-story, brick building, Park Ave.

Mo., Salisbury—Winelmeyer erect 2-story building, Broadway.

N. C., Durham—John Sprunt Hill, Trust Bldg., open bids about Oct. 15 for \$90,000 4-story and basement, 55x90 ft., steel frame brick curtain walls department store building, 307 Main St.; terrazzo, oak and concrete floors, asbestos roof, hollow tile, ventilators, ornamental terra cotta, steel sash and trim, wire glass, passenger and freight elevators; Atwood & Nash, Archts., Chapel Hill. Address proposals to George Watts Hill, 302 Trust Bldg.*

Tenn., Chattanooga—Alper, Solomon and Boriskey erect three 1-story, brick store buildings on Main St.; \$11,000.

Tenn., Kingsport—William Roller erect 2-story, brick business block, Market St.

Tenn., McKenzie—W. A. Young, 1409 Vinton St., erect two 20x40 ft., brick business buildings, Waldron and Bruce Sts.

Tex., Austin—Building at corner Ninth and Congress Ave., occupied by Evans-Cox Drug Co., to be remodeled extensively for occupancy by Luedcke-Moffatt Department Store. Address H. H. Luedcke, 902 Congress Ave.

Tex., Dallas—J. L. Bothwell, Archt., Athletic Bldg., preparing plans for 2-story and part-basement, \$95,000 store and hotel building, St. Paul and Trinidad Sts.; reinforced concrete and brick; owner's name withheld.

Tex., Dallas—H. A. Overbeck, Archt., Melba Bldg., preparing plans for \$25,000, 2-story,

brick business building, Commerce and St. Paul Sts.; Mallot & Stewart; Kirby Bldg., representing owners.

Tex., San Antonio—Martin Wright, 308 E. Houston St., opened bids for erecting 1-story, brick and concrete business building, Dolores St. and Main Plaza; Clemens & Gombert, low bidders at \$14,880; open plumbing bids at later date; Henry T. Phelps, Archt., Hicks Bldg.*

Theaters

Ala., Birmingham—Mudd & Colley Amusement Co., 1923 3rd Ave., soon let contract for \$750,000 to \$1,000,000, concrete and steel, faced with granite finish terra cotta trim, motion-picture theater, 1719-23 Second Ave., North.

Ala., Mobile—Saenger Amusement Co., J. H. Saenger, Pres., 1401 Tulane St., New Orleans, La., asked for new bids to be opened within 30 days, for \$750,000 theater building, Joachim, Conti and Jackson Sts.; Emile Well, Archt., Whitney Annex, New Orleans.*

Ark., Arkadelphia—Cecil Cupp plans erection of theater building, Main St.

Fla., Lakeland—Lakeland Amusement Co., E. J. Sparks, Pres., has plans in progress by Roy A. Benjamin, Bisbee Bldg., Jacksonville, for \$150,000 theater building, S. Kentucky Ave., with seating capacity of 1400, with balcony and boxes; plans to erect 100-room hotel in conjunction.

Fla., Miami—W. S. Shirley, Bay Vista Park, considering erection open-air theater, also theater in Boca Raton.

Fla., Titusville—Indian River City Theatrical Enterprises, Arthur E. Van Croix, Melbourne, erect \$200,000, 100x100 ft., brick and steel theater building, Main St., with seating capacity of 1500; 3 or 4 stories and apartments on second floor; hollow tile, interior tile, hardwood and concrete floors, concrete foundation, plaster board, ventilators, ornamental terra cotta; major items to be purchased include organ, seats, projectors, stage equipment, etc.*

Mo., Springfield—Electric Theater Co., N. E. corner Square, reported to erect \$200,000 theater building.

Tenn., Newport—Dr. E. C. Lunsford, Newport, and J. L. Lunsford, 503 Coppin Bldg., Cincinnati, plan to erect motion-picture theater to seat 2000 people.

Tex., Georgetown—F. E. Hodges erect 40x112-ft., brick trimmed with stone theater building.

Warehouses

Fla., Miami—East Coast Floor & Wall Tile Co. erect \$15,000 warehouse, N. E. Third Ave. and 24th St.

Fla., Miami—Alken Towboat & Barge Co., Capt. I. H. Alken, Pres., New York, plans erection of \$300,000 warehouse in Miami and another in Tampa.

Fla., Tampa—See Fla., Miami.

Miss., Gulfport—G. R. James and J. S. Savage of Memphis and John A. Sykes, Gulfport, erect \$200,000, 4 or 5-story warehouse unit, 29th Ave.

Mo., Cape Girardeau—Dempsey Grocer Co., A. R. Zoelsmann, owner and mgr., plans rebuilding 3-story building at 119 Water St., recently burned; owned by Dempsey Estate.

Mo., Kansas City—Jewell Realty Co., 626 Chambers Bldg., erect 2-story warehouse and office building, Broadway and 21st., for occupancy of Piggly Wiggly Bird Co.

Tenn., Chattanooga—Southern Oil Co. erect \$12,000 warehouse, Central Ave.

Tenn., Knoxville—L. B. Lampman repair brick warehouse, 522 S. Gay St.; \$10,000.

\$200,000 Commercial Court building, Central Ave. and Eighth St.; 3 stories, 105x150 ft., brick and tile; Italian Renaissance type; 15 stores, 60 offices; Clare C. Hosmer, Archt.; Leadlay Ogden, Contr.

Fla., Sebring—Fleisher Construction Co., Minneapolis, Minn., has contract for 4-story Harder Hall office building.

Fla., South Jacksonville (Ind. Branch Jacksonville)—Florida National Bank, G. N. Arent, Vice-Pres., let contract to O. P. Woodcock Co., Duval Bldg., for Florida Southside (branch) Bank; Mark & Sheftall, Archts., 210 Clark Bldg., all Jacksonville.*

Fla., St. Petersburg—Anderson, Smith, Klein, Inc., remodeling offices, 620 Central Ave.; cost \$15,000; Lester Avery, Archt., 2 Roser Bldg.; decoration by Cusson-Northier Studios.

Fla., Titusville—J. F. Duren started work on 24x24-ft. tile office building.

Md., Mount Airy—First National Bank let contract at \$36,000 to Julius A. Kinlein, American Bldg., Baltimore, for concrete and brick bank building; laying concrete basement, 1 story, 45x50 ft., tile and cork floors, concrete and asbestos roof, steel sash and trim, wire glass; furnishings, equipment, etc., \$15,000; Rossell Edw. Mitchell, Archt., Chevy Chase, Md. (Ind. Branch Washington, D. C.); heating and plumbing, M. L. Nicodemus; electric work in gen. contract.*

Okla., Tulsa—Southwestern Bell Telephone Co. reported remodel office building; brick and stone, 5 stories and basement; cost \$60,000; Shallenberger Construction Co., Contr., 218 S. Main St.

Tenn., Cleveland—Cleveland Bank & Trust Co. erect \$40,000 building; 1 story, brick, stone and bronze; C. E. Bearden, Archt., First Natl. Bank Bldg., Chattanooga; H. H. Michael, Contr.

Tex., Houston—Jesse H. Jones, Goggen Bldg., reported let contract to Hewitt Construction Co. for \$1,000,000 theater and office building; Alfred C. Finn, Archt.; Robt. J. Cummings, Struct. Engr., both Bankers Mortgage Bldg. (Previously noted under Theatres).*

Churches

Ark., Star City—Star City Baptist Church let contract for \$17,500 building to H. P. Helton; Mitchell Selligman, Archt., 206 Pine St., Pine Bluff.*

Fla., Sebring—First Presbyterian Church started work on \$40,000 building, Franklin and Poinsettia Sts.; red brick, cast stone trim, 60x94 ft.; all contracts let; Fred J. James, Archt., Citizens Bank Bldg., Tampa; E. P. Calvin, Constr. Supervisor.*

Ky., Hopkinsville—Methodist Episcopal Church, Colored, started work on \$25,000 Roman type Freeman's Chapel, N. Virginia St.; 2 stories and basement; John T. Waller, Archt.; Allen A. Hankins, Contr.

Ky., Winchester—Church of God, Hickman and Buckner Sts., erecting \$10,000 basement and main auditorium building; brick veneer, 40x60 ft.; John Crone, Archt.; W. Ward Stevenson, Contr. (Archt. and Contr.'s names lately incorrectly noted).*

Miss., Hollandale—First M. E. Church, Rev. L. A. McKeown, Pastor, erect \$20,000 building; 3 stories, brick, wood and concrete floors, stone columns, asbestos roof; Jas. E. Greene, Archt., Farley Bldg., Birmingham, Ala.; Chastang Construction Co., Contr., 1101 Robinson St., Jackson, Miss.; work start by Oct. 15.

Miss., Starkville—Methodist Church let contract to Moncrief Furnace Co., Atlanta, Ga., for warm air heating and ventilating systems for \$75,000 brick and concrete building; electric work, Goodman Electric Co., Starkville; roofing and metal work, G. T. Parker, Tupelo; 3 stories and sub-basement, 2200 ft. floor space, wood and concrete floors, asbestos slate roof; furnishings, equipment, etc., \$10,000; address Rev. V. C. Curtis; Jas. E. Greene, Archt., Farley Bldg., Birmingham, Ala.; Chastang Construction Co., Contr., 1101 Robinson St., Jackson.*

Mo., Joplin—First Baptist Church excavating for \$75,000 brick and stone building; 3 stories and basement, 92x134 ft., concrete and wood floors, concrete foundation, built-up roof; items to be purchased include pews, pianos, tables, chairs, etc., address Rev. R. C. Miller; C. H. Sudhoelter Co., Archt.; John T. Blevins, Contr., Van Buren, Ark.; heating by owner; electric work, Chandelier Shop; plumbing, Zeltz & Lorenz; materials purchased.*

Mo., Sedalia—First Methodist Church remodel and erect \$40,000 addition to building, Fourth and Osage Aves.; Chas. Rothgeb, Contr.

Okla., Frederick—First Presbyterian Church erecting \$23,500 brick and cement building;

BUILDING CONTRACTS AWARDED

Association and Fraternal

Md., Cumberland—Following contracts let for Y. M. C. A. equipment for \$350,000 building under construction: Office equipment, White & Ankeney; social room furniture, Holland Co.; dormitory furniture, H. U. F. Flurschutz; linoleum and linens, Cumberland Dry Goods Co.; carpets and rugs, Rosenbaum Bros.; table ware, lockers and gymnasium equipment, Wilson Hardware Co., all Cumberland; bowling alleys and billiard tables, Brunswick-Balke-Collender Co., 629 S. Wash Ave.; Shattuck & Laver, Archts., 19 S. La Salle St., both Chicago, Ill.; North East-

ern Construction Co., Contr., Lexington Bldg., Baltimore; cafeteria and kitchen equipment not let.*

Bank and Office

D. C., Washington—Harriman & Co., Colorado Bldg., erect \$1,000,000 bank building, 729 Fifteenth St., N. W.; 9 stories, 25x125 ft.; Wardman Construction Co., Contr., 1430 K St., N. W.

Fla., Fort Meade—Nettleton & Hubbell erect Spanish style stucco office; tile roof; Coquina Co., Contr.

Fla., Sarasota—Levy, Kaye & Levy erect

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3 stories, 43x80 ft., wood and concrete floors, composition roof, metal ceilings; H. F. Kuehne, Archt., Littlefield Bldg., Austin, Tex.; A. H. Krause, Contr.; plumbing, A. B. Shout Plumbing Co. (See Machinery Wanted—Heating; Seating.)*

Okla., Miami—First Presbyterian Church let contract at \$32,000 to Homer Russell, Baxter Springs, Kan., for building; Hawk & Parr, Archts., Cotton Exchange Bldg., Oklahoma City.*

S. C., Landrum—Wolf Creek Baptist Church erect \$39,000 brick building; frame interior, concrete foundation, tin roof; Casey & Fant, Archts.; C. M. Guest, Contr., both Anderson; Building Supplies & Service Co., plumbing.*

Tenn., Greeneville—First Presbyterian Church let contract for \$42,000 building to Burleson & Laws; foundation in; brick, 3 stories, 60x56 ft.; Colle & Cardwell, Archts., all Johnson City.*

Tenn., Vestal (Mail Knoxville)—Vestal M. E. Church started work on brick and hollow tile building; cost about \$35,000, 2 stories and basement, 53x10 1/2 ft., oak floors, asbestos shingle roof, rolling partitions; W. A. Rayfield & Co., Archts., 105 Avenue A, Birmingham, Ala.; B. T. Thomas Co., Contr., Empire Bldg., Knoxville; heating and electric work not let. (See Machinery Wanted—Roofing (Asbestos Shingle).)*

Tex., Austin—St. Martin's E. L. Church, Rev. F. G. Roessner, Pastor, has low bid, at \$102,500, from Wm. A. Orth, Builders Exchange Bldg., San Antonio, for building; Geo. Louis Walling, Archt., 803 Scarbrough Bldg.*

Va., Roanoke—Our Lady of Nazareth R. C. Church completed foundation for \$70,000 church and school building; steel, brick and concrete, 2 stories, 53x121 1/2 ft., maple and tile floors, Barrett specification roof, hollow tile; A. K. Simmons, Archt., American Natl. Bank Bldg.; Martin Bros., Contrs., Box 433; heating and plumbing, Basham Plumbing & Roofing Co., 110 Luck Ave. S. W.; electric work, Engleby Electric Co.*

City and County

Ala., Troy—City Council let contract to Dolph Owens to remodel city hall for fire dept.

Fla., Rockledge—Following contracts let for \$25,000 municipal building: Wiring, Brown Electric Co.; plumbing and roof, Higgs & Huntington; millwork, Cocoa Millwork Co.; mason work, L. I. Spidell; painting, L. B. Aikens; W. H. Bower, Contr., all Cocoa.*

Mo., St. Joseph—Donegan Plumbing, Heating and Hardware Co., 110 S. 4th St., has plumbing and heating contract at \$25,000 for \$750,000 city hall; electric work, American Electric Co., 214 S. 8th St., at \$5,000; structure 3 stories and basement, 180x80 ft., hardwood floors, metal doors, vaults, ornamental terra cotta, steel sash and trim; concrete piling and foundation contracts about completed; Eckel & Aldrich, Archts., Corby-Forsee Bldg.; McKim, Mead & White, Asso. Archts., 101 Madison Ave., New York; Lehr Construction Co., Contr., 1217 Frederick St.*

Tenn., Centerville—Frakes Bros., Columbia, has contract, at about \$5,000 for electric wiring and fixtures, plumbing and steam heating for \$50,000 courthouse; Tisdale, Stone & Pinson, Archts., Independent Life Bldg.; G. B. Howard & Co., Contrs., foot of Shelby Ave., both Nashville.*

Dwellings

Ala., Roanoke—Handley Manufacturing Co. let contract for 25 additional operatives' dwellings.

Ark., El Dorado—Edwin M. Jones erect 3 bungalows; total cost \$20,000; Homer Crutchfield, Contr.

D. C., Washington—W. C. & A. N. Miller, 1119 17th St. N. W., plan about 200 dwellings, Devonshire Downs subdivision; semi-detached, stucco and brick finish, stone trim; first 10 completed.

Fla., Avon Park—Chas. Pabor erecting \$20,000 residence.

Fla., Coral Gables—Dr. K. Wilson erect \$11,000 residence, 439 Avenue Minorca; H. O. Vanberlyn, Archt.; O. O. Day, Contr.

Fla., Coral Gables—Mrs. Margaret De Pamphilis erect \$12,500 residence, 1202 Genoa St.; John Tracey, Archt.

Fla., Coral Gables—Albert L. Hoffer, 103 N. E. 48th St., let contract to Del Merrill for \$50,000 residence, 1213 Alhambra Circle; hollow tile, tile and oak floors, 2 baths; Max Jungandel, Archt.*

Fla., Coral Gables—M. Arnold erect two

dwellings, 822 Avenue Almeria and 1303 Ferdinand St.; 2 stories; total cost \$27,000; Sago-Wank-Berg, Archts.; Massey, Moulton & French, Contrs.

Fla., Coral Gables—Harold D. Steward erect \$13,000 residence, 1017 Avenue Castile; C. H. Steward, Contr.

Fla., Coral Gables—M. C. Hawes erect \$12,000 residence, 801 Avenue Majorca; H. Geo. Fink, Archt., Congress Bldg.; George Edholm, Contr.

Fla., Coral Gables—Wm. F. Bossman erect \$11,000 residence, 1200 Avenue Venetia; constr. supervision by owner.

Fla., Coral Gables—Chas. D. Kays, 218 W. Flagler St., erect \$10,000 residence, 500 Avenue Minorca; roof garden, laundry; plans and constr. supervision by owner.

Fla., Coral Gables—Hennessey & Green erect two \$10,000 dwellings, 1252-56 Avenue Algeria; plans and construction by owners.

Fla., Coral Gables—J. N. Hoffman erect \$15,000 residence, 617 Avenue Alcazar; H. Geo. Fink, Archt., Congress Bldg.; Miami; John W. Lake, Contr.

Fla., Coral Gables—G. E. McLain erect \$17,000 residence; E. Albright, Archt.; Werner & Phillips, Contrs.

Fla., Coral Gables—Austin D. O'Meara erect \$13,000 residence, 700 Avenue Majorca; E. P. Friis, Archt.; Wm. Friis, Contr.

Fla., Coral Gables—Harry E. Parker, 753 S. W. First St., erect 2 dwellings, 826-30 Pizarro St.; total cost \$19,500; A. D. Bryan, Archt.-Constr. Supervisor, 43 N. W. 3rd Ave.

Fla., Coral Gables—Jos. Rose erect \$13,500 residence, 1122 Avenue Sorcolla; Martin Hauri, Archt.; Hemmings Construction Co., Contr.

Fla., Coral Gables—Thomas-Brown-Haynes Co. erect two \$11,000 dwellings, 1532 Avenue Dorado and 1517 Avenue Palanchia; Paul V. Matkin, Archt.-Contr.

Fla., Daytona Beach—Daytona Beach Chamber of Commerce Housing Corp. let contract at \$220,000 to Dougherty & Co., Palmetto Ave., for first 55 of 110 dwellings; frame, oak and rift pine floors, brick foundations, composition roof.*

Fla., Jacksonville—J. Safer, 149 N. Third St., erect 15 frame dwellings near Fairfax St. and Kings Rd.; 1 story; total cost \$18,000.

Fla., Lakeland—W. Fiske Johnson erecting \$20,000 residence, Olympian Park; Marshall-Jackson Co., Contr.

Fla., Lakeland—C. E. Todd erecting \$20,000 residence; Marshall-Jackson Co., Contr.

Fla., Little River—L. B. Bair, care First National Bank, Canton, O., let contract for residence, Arch Creek Pines.

Fla., Little River—Mark C. Smith let contract for residence, Arch Creek Pines.

Fla., Little River—J. J. Miller & Son erect 3 dwellings, El Portal or Orchard Drive; cost \$9,500 each; Mr. Fielder, Archt.; owners build.

Fla., Miami Beach—Dr. Leon Rex Felt, Rivo Alto Island, erect \$12,500 residence, Leon H. Walter, Ins., Archt.-Contr.

Fla., Miami Beach—Wm. A. Rawson erect \$20,000 residence, Sunset Lake sub-division; Walter A. Frieling, Archt.; A. K. Adams, Contr.

Fla., Miami—Arthur C. Feelin erect \$30,000 residence and garage, N. E. 26th Terrace; Parish Brothers Construction Co., Contr.

Fla., Miami—E. H. Pierson, 953 N. W. Third St., laying foundation for \$45,000 residence; 2 stories, 52x60 ft., oak floors, tile roof, ventilators, rolling partitions, steel sash and trim, wire glass; furnishings, equipment, etc., \$10,000; John Sculthorpe, Archt.; Everett H. Pierson Construction Co., Contr., 901 N. W. South River Drive; plumbing, H. J. Sanborn, 23 N. W. 11th St.*

Fla., Miami—Cross, Haines & Wood erect \$12,500 residence, 832 Madrid St.

Fla., Miami Beach—F. C. Heal erect \$12,000 residence, Mid-Golf section; plans and construction by owner.

Fla., Miami Beach—J. W. Popham, P. O. Box 414, completed foundation for \$65,000 residence, 42 Star Island; interlocking tile walls, wood frame, 2 stories, 36x110 ft., tile, oak and concrete floors, Cuban tile roof, hand lift dumb waiter required; DeGarmo & Varney, Archts., 39 S. E. Sixth St., Miami; C. R. Justi, Contr., 523 Forsyth Bldg., Atlanta, Ga., care owner, Miami Beach; plumbing, M. J. Burke Plumbing & Heating Co., care owner, Miami Beach; address sub-bids to Contr. (See Machinery Wanted—Flooring (Tile); Fixture (Electric); Painting).*

Fla., Sebring—J. C. Jackson, care Jackson Heights Corp., started work on 40 dwellings, Hillcrest Heights.

Fla., St. Petersburg—Mrs. Adeline Minor, Manchester, Conn., erecting residence, Semnole Estates.

Fla., St. Petersburg—A. P. Hennessey, 435 6th Ave. S., erect 5 dwellings, 22nd Ave., Woodhurst extension; owner builds.

Fla., Tavares—Lake County Investment & Construction Co. organized at about \$1,000,000 with Milton Goldbacher, Vice-Pres.; erect dwellings.

Fla., Vero Beach—Vero Beach Construction Co., plans 3 dwellings in addition to 2 nearly completed.

La., New Orleans—Following contracts let on \$35,000 residence for Mrs. W. H. Dudley: Heating, American Heating & Plumbing Co.; plumbing, S. Antoine; millwork, National Sash & Door Co.; plastering and stucco, Bird & Putfark; tile roof, Horace White; screens, weather strips, calking and composition flooring, Nachary Building Specialty Co.; plumbing fixtures, Crane Co.; ornamental iron, Wm. Pierce; sheet metal, American Sheet Metal Works; composition roof, Grosbeck Co.; painting, Gus Peterson; hardwood floors, W. J. Healey; electric work, Freeman & Barlow; chest stone, Architectural Cast Stone Co.; reinforcing, Ole K. Olsen; Frigidaire, New Orleans Public Service, Inc.; miscellaneous iron, C. C. Elmer Tank & Boiler Works; tile work, Jos. Ariatti; waterproofing, D. S. Melvin; finish hardware, A. Baldwin & Co.; steel sash, Lukens Steel Co.; lumber, Delta Lumber Co.; building material, Jahneke Service, Inc. and Carolina Portland Cement Co.; Mason & Spurl, Archts., 403 Vincent Bldg.; W. H. Dudley, Contr., 823 Poydras St.*

La., New Orleans—D. P. Curren, 1443 Calhoun St., plans 2 double cottages, Annunciation and Laurel Sts.; sub-bids in 30 days.

La., New Orleans—Louis Schuler, 720 Union St., erect \$11,000 raised residence, Palmer Ave.; A. L. Smith, Contr., 2288 Hennessy St.

La., New Orleans—Aug. Stickman erect \$10,600 double cottage, Republic and Abundance Sts.; Schafer Bros., Contrs.

Md., Baltimore—E. J. Gallagher Realty Co., Munsey Bldg., erect 41 brick dwellings, 3300 block Ravenwood Ave.; 2 stories; plans by E. J. Gallagher, Jr.; owner builds.

Md., Baltimore—L. C. and M. A. Wilds erect \$10,000 frame residence and garage, Ken Oak Ave., near Highland Ave.; 2 1/2 stories, 45x20 ft. and 18x20 ft., slate roofs, hot-water heat; H. R. Wilds, Archt.-Contr., Linwood and Rusk Aves.

Md., Baltimore—Harry L. Dubbelde, 2918 Wyman Pkwy., erect 4 brick dwellings, 30th St. E. of Huntington Ave.; 2 stories, 15x43 ft., Carey roofs, steam heat; total cost \$15,000; plans and construction by owner.

Mo., Clayton (Ind. Branch St. Louis)—H. G. Zelle, 6843 Kingsbury Place, erecting \$15,000 residence, 727 Morelands Drive; Spanish type, stucco on hollow tile, 2 stories, 45x36 ft., hardwood and rubber tile floors, tile roof; Jesse L. Bowling, Inc., Archt., Arcade Bldg.; contracts let; material purchased.*

Mo., St. Louis—H. C. Vollmar erect 4 frame dwellings, 6033-35-39-43 Elizabeth St.; 2 stories, 24x27 ft., asphalt shingle roofs, furnace heat; total cost \$12,000; plans and construction by owner.

Mo., St. Louis—J. A. Love, 321 Belt Ave., erecting stone residence, La Rue Rd.; 2 stories, 36x81 ft., oak floors, stone foundation, slate roof; plumbing, De Bord Plumbing Co.; heating and electric work not let; Jamieson & Spearl, Archts., Arcade Bldg.*

Mo., University City (Sta. St. Louis)—Wm. Scherrer, 739 Leland St., erect \$15,000 residence, 7324 Westmoreland St.; 2 stories, 38x42 ft., brick; R. A. Conzelman, Archt., 114 N. Seventh St.; J. E. Williams, Contr., 6914 Dartmouth St., both St. Louis.

Mo., University City (Sta. St. Louis)—Guarford Realty & Investment Co., 1003 Fullerton Bldg., erect brick residence and garage, 7254 Maryland Ave.; cost about \$10,000, 2 and 1 story, 37x27 ft. and 20x22 ft., slate roofs, hot water heat; also similar dwelling, 7235 Maryland Ave.; Nolte & Nannmann, Archts., 614 Fullerton Bldg.; R. A. G. B. Bullock, Contr., 1003 Fullerton Bldg.

N. C., Greensboro—Paul W. Schenk, American Bank Bldg., let contract to Geo. W. Kane, Roxboro, for \$30,000 residence; frame, 2 1/2 stories, slate roof; A. Raymond Ellis, Archt., Hartford, Conn.*

Okla., Eufaula—Dr. W. A. Tolleson erecting \$10,000 brick and tile residence; Johns-Manville asbestos shingle roof; J. L. Lowe, Archt.; Muskogee Construction Co., Contr., Muskogee.

S. C., Greenville—R. B. R. Land Development Co. erect 4 dwellings, 41 Fairview Ave., 46-A, 91-95 Melver St.; total cost \$38,000; brick veneer, shingle roofs; Haskell

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M. Martin, 100-A N. Main St., Archt.; J. Archie Willis & Co., Contrs., Norwood National Bank Bldg.

S. C., McConnellville—Mrs. J. M. William, Sr., erect \$20,000 brick residence; green glaze tile roof, red terra cotta porch floors, oak floors, tile bath; Julian S. Starr, Sarasota, Fla.; owner builds.

S. C., Spartanburg—A. B. Vogel, 130 Dallas Place, rebuilding burned residence by day labor; J. Frank Collins, Archt., 160 Alexander Ave.*

Tex., Houston—John F. Staub, Second Natl. Bank, erect 2-story brick and shingle residence, River Oaks; plans by owner; Chris J. Miller, Contr., 1311 S. Boulevard.

Tex., Smithville—J. G. Trousdale erect \$10,000 residence, Colorado St.; brick veneer, 2 stories; Fite & Ingram, Contrs.

Va., Richmond—Henry Rouchat erect 2 dwellings, Bryan Parkway, in addition to 1 under construction; Colonial type; radio installation.

Government and State

La., New Orleans—R. P. Farnsworth & Co., Canal-Commercial Bldg., has contract for post office station, Canal St. near Carrollton Ave.; roofing, Edw. Chassaniol, 642 Baronne St.; reinforcing steel, Harold Raymond, Hibernia Bldg.; sheet metal work, Jos. B. Ibois, 524 Chartres St.; millwork, W. W. Carre Co., Ltd., 905 S. Jefferson Davis Pkwy.

Tex., Tyler—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., let contract to Geo. E. Wright, Inc., 909 Monadnock Bldg., Chicago, Ill., for repairing post office.*

Tex., Washington—State Board of Control, S. B. Cowell, Chmn.; Austin, let contract for \$19,000 reproduction of first State Capitol, Brazos river, Washington State Park.

Hospitals, Sanitariums, Etc.

Ark., Ratcliff—Drs. Harkins and Keck started work on \$13,000 brick addition to hospital; 1 story, 36x88 ft., pine floors, concrete foundation, asbestos roof; furnishings, equipment, etc., \$10,000; J. B. Kremer, Archt.-Contr.; heating and plumbing, Hartmiller & Francis; electric work, Ray Nunnelee; sub-bldg. desired on hospital bedroom equipment, operating room equipment, sterilizer, floor covering, etc. Address Owners.*

N. C., Raleigh—State Hospital for Insane, Dr. L. B. Evans, Chmn., Bldg. Comm., let contract at \$50,752 to W. P. Rose, Goldsboro, for alterations and additions to 4 buildings; plumbing, J. A. Haley & Sons, 305 W. 5th St., Charlotte; heating, Raleigh Iron Works, 124 S. West St.; Chas. C. Hook, Archt., 338 C. Church St., Charlotte; Wiley & Wilson, Engrs., Peoples National Bank Bldg., Lynchburg, Va.*

N. C., Sanatorium—North Carolina state Tuberculosis Sanatorium erecting \$35,000 brick and frame nurses' home; 2 stories, 56x90 ft., pine, oak and concrete floors, concrete foundation, slate roof, interior tile, steel sash and trim, wire glass; sub-contracts not let; plans by Eric G. Flannagan, Constr. Engr. Henderson; Jewell, Riddle Co., Inc., Contr., Sanford.*

Okl., Blackwell—Dr. W. M. Leslie erect \$25,000 hospital, E. College Ave. and E. St.; 20 beds, brick, 2 stories, semi-fireproof; Stanley Altman, Contr.

Va., Pulaski—J. D. Hufford has contract at \$29,977 for hospital; Dr. D. S. Divers, interested.

Va., Winchester—Winchester Memorial Hospital, Dr. Hunter H. McGuire, Pres., let contract to Strickler & Wagner for excavation and concrete work on nurses' home extension; erect additional story to hospital; Stuart H. Edmonds, Archt.*

Hotels and Apartments

Ala., Montgomery—Mrs. Minnie L. Gay let contract to H. E. Beneheld, for remodeling residence, 220 S. Perry St., into 6-apartment building.

Ark., Russellville—Miss Evelyn Pearson, Russellville, and M. Mortenson, Mexia, Tex., let contract to O. S. Nelson for 4-story, fireproof, 104-room, brick and steel hotel; Pearson; Layton, Hicks & Forsythe, Archts., Braniff Bldg., Oklahoma City.*

Fla., Bradenton—M. H. Colony, Alfred Tallant, of Bradenton, and Dr. Walter E. Foster, New York, let contract to Robert G. Cregan for \$200,000, U-shaped, reinforced concrete, brick, tile and steel, 30-apartment building, Ohio Ave., to be known as Royal Palm Apartments; Frank A. Winn, Archt., Citizens Bank Bldg., Tampa.

Fla., Coral Gables—Coral Gables Construc-

tion Co. has permits for structures to cost \$750,000; 3-story, 329-room, 79-apartment building, Le Jeune Road, St. Augustine and Santander Aves.; also 29-apartment building with restaurant on ground floor.

Fla., Coral Gables—Arthur Fishman let contract to P. J. Davis Construction Co., Calumet Bldg., for \$40,000, 12-apartment building, 121 Avenue Boabdilla; Martin Hauri, Archt.

Fla., Cocoa—Mrs. Lucy King Paty and G. G. King, owners of Hotel Brevard, let contract to Mr. Duckworth, Tullahoma, Tenn., for 50-room addition.*

Fla., Fort Myers—Elmer E. Jones Realty Co. started work on \$300,000, 1-story, 54-room hotel, Hollywood-in-Pines subdivision; frame, 372 ft. long, outside of stucco finish.

Fla., Kissimmee—George King, Kansas City, launch building program at InterOcean City, including erection of two 40-room hotels, 20-family apartment house, 10-family apartment house and business block for stores and offices; construction by own forces.

Fla., Lake Worth—G. Sherman Childs, Room 6 Rowe Bldg., erect \$24,000, 2-story, 40x88-ft., frame and stucco apartment house; built-up roof, pine floors, concrete foundation; Smith Electric Co., heaters, grilles, etc.; City Plumbing Co., 16 bathrooms and 16 kitchenette sinks; James M. Love, Contr., 101 South M St.; plans by owner.*

Fla., Miami—Modern Investment Co., 1737 W. Flagler St., erecting 3-story, 88x43 ft. building, 35 N. W. 11th Court; 4 stores and 40 sleeping rooms; wood floors, concrete foundation, metal ceilings, plaster board, ventilators; \$45,000; Pullon-Zoll Electric Co., 1700 N. Miami Ave., heating and electric wiring; wants sub-contract bids on plumbing; Frank V. Newell, Archt., 1737 W. Flagler St.*

Fla., Miami—Miami Real Estate & Building Co., Halcyon Arcade, contracted for erection of two 18-family, \$45,000 apartment houses, N. W. cor. S. W. Fourth St. and 13th Ave.; 3 stories, concrete block with stucco exterior; Kiehnell & Elliott, Archts., Central Arcade.

Fla., Miami—George W. Langford Const. Co., Fort Dallas Park Apt., Miami, and Louisville, Ky., let following sub-contracts for Jerome Cherbino's office and servants' quarters building, Sixth St. and Alton Road; Pilling, J. I. Guilfoyle; iron work, Hialeah Steel Corp.; plaster and stucco, L. E. Knowles; mill work, A. H. Ramsey & Sons, 71 N. W. 11th Terrace; finish hardware, Ralley Milam Hardware Co., 25 W. Flagler St.; painting, Cowart & Avriett; electrical wiring, Howard P. Foley Co.; S. D. Butterworth, Archt., 809 Euclid Ave.*

Fla., Miami—Walter C. Mashburn let contract to Smallridge Construction Co., Metropolitan Bldg., for \$90,000, 30-unit apartment house, N. E. 24th St.

Fla., Miami—George E. Whittier let contract to St. John Construction Co., Townley Bldg., for \$46,000 apartment house, 1629 S. W. Sixth St.

Fla., Miami—A. E. Griffith let contract to Cushman & Pew, for \$25,000, 8-unit apartment house, 2355 S. W. Ninth St.; F. E. Moore, Archt., 245 W. S. River Drive.

Fla., Miami—Geneva and Enoch Griffith let contract to O. M. Bristol, 2045 N. W. Fourth St., for \$27,000, 12-unit apartment house, S. W. Fifth St.; Leroy Kingport, Archt.*

Fla., Miami—J. E. Lumms let contract to E. H. Pierson Construction Co., 953 N. W. Third St., for \$75,000, 4-unit apartment house with 12 hotel rooms, 165 N. W. River Drive; John H. Seuthorpe, Archt., Townley Bldg.

Fla., Miami—F. Cleveland let contract to Southern Construction Co., for \$65,000, 24-unit apartment house, S. W. Third St.

Fla., Miami—E. Schulman let contract to Paul Wesley for \$40,000, 18-unit apartment house, S. W. 14th Ave.

Fla., Miami—Shoreland Co., 125 E. Flagler St., Hugh M. Anderson, Pres., started work on \$1,000,000 hotel, N. E. 91st and 92nd Sts. and W. Dixie Highway, Miami Shores, to be one of four to be erected under \$35,000,000 development and building program; Italian Renaissance design, 276x130 ft., main portion 4 stories with observation tower 2 stories higher; Kiehnell & Elliott, Archts., Central Arcade; Markley Construction Co., Contrs., Congress Bldg.

Fla., Miami Beach—Florida Shores Realty Co., Henry Jessup, construction mgr., erecting four 3-story, 35-apartment buildings, Lenox Ave. between Sixth and Seventh Sts., cost \$300,000; rough cast stucco and ornamental cast stone, Spanish type; Pfeiffer & O'Reilly, Archts., Hahn Bldg.

Fla., Miami Beach—Johnson, Drake & Pierson, Minneapolis, Minn., erecting \$125,000,

3-story, 32-apartment building, 14th St. and Pennsylvania Ave.

Fla., Miami Beach—Euclid Avenue and Twelfth Street Corp. erect \$125,000, 64-apartment building, 12th St. and Euclid Ave.; F. Kloepper, Archt.; J. C. Davis, Contr.

Fla., Miami Beach—Florida Shores Realty Co., Henry Jessup, construction mgr., erect four 3-story, 35-apartment buildings on Lennox Ave., between Sixth and Seventh Sts.; Pfeiffer & O'Reilly, Archts., Hahn Bldg., Miami

Fla., Miami Beach—H. J. Richardson, 301 23rd St. let contract to Charles S. Ewing Co., Bedford Bldg., for \$58,000 apartment house, Ocean Front subdivision; Collins & Sheffield, Archts.

Fla., Orlando—Frank D. and S. Kendrick Guernsey, Christ Bldg., let contract to A. B. Struble, Jefferson St., for \$40,000, 2-story, 51-room, stucco on frame 138.6x68-ft. hotel, Jersey Ave. and S. Dixie Highway; Howard M. Reynolds, Archt., Orlando Bank & Trust Bldg.

Fla., Palatka—Charles Kupperbusch started work on hotel to be known as New Putnam House, on Lemon St.

Fla., Palm Beach—Edward F. Hammel, Contr., erect \$130,000 apartment house, Everglades Ave.

Fla., Sarasota—Sarasota Business Properties, Inc., B. MacKinzie, Greensboro, N. C., let contract to Ricketts & Haworth, Contrs., Whaley Bldg., Tampa, and Sarasota, for \$1,200,000, 300-room hotel on Broadway.

Fla., Sarasota—A. F. Baer has contract for \$200,000 apartment house on Osprey St.; plans by Martin's Studios.

Fla., Sarasota—Bacon, Tomlin & Watson erect \$60,000, 3-story, 42x100ft., hollow tile and wood apartment building, Ninth St.; composition and felt roof, yellow pine floors, concrete foundation, metal doors, mail boxes, steel sash; Clare C. Hosmer, Archt.; contract probably to Leadley Ogden.*

Fla., Sarasota—Conrad Apartment Hotels Corp. erecting \$180,000, 154x102 ft., 3-story brick and stucco on tile apartment hotel, Lots 7 and 8, block G, Laure and Ohio; G. A. Freeman, Archt.; Leadley Ogden, Contr.

Fla., Sarasota—Hudson Wood erect \$18,000, 2-story, stucco or tile apartment house, for E. L. Perry, on Oak St.; R. J. Schneider, Archt.

Fla., Tampa—Pulver Plant Hotel Co., Frank F. Pulver, Pres. and Chmn. Board of Directors, let contract to Logan Brothers, 918 Citizens Bank Bldg., for 13-story Pulver Plant Hotel, Lafayette St. on bank of Hillsborough River, to cost \$2,050,000, including site, building and equipment; 344 rooms and 334 baths; B. C. Bonfoey, Archt., Petteway Bldg.*

Fla., Tampa—Fleischer Engineering & Construction Co., Minneapolis, Minn., has permits for construction of 3 commercial hotels on Biscayne Ave., Davis Islands, at contract cost of \$300,000, work to start immediately.

Fla., Tampa—Barnes & Riehl, Contrs., 10 E. 43rd St., New York, erecting addition to pavilion at Temple Terrace; Harry Bierce, interior decorator; Franklin O. Adams, Archt., Grand Theater.

Fla., Titusville—Norris T. Froscher and L. Parkhurst Brady erecting \$50,000, hollow tile and stucco, Spanish type, 8-apartment building, Riverside Park; Mark & Sheftall, Archts., 210 Clark Bldg., Jacksonville; Bolton & Caughman, Contrs.

Fla., Winter Park—R. B. Yaw erecting 6-apartment house; 3 rooms with kitchenette and bath each.

Ga., LaGrange—Misses Young erecting 3-story and basement, 53-room Colonial Hotel, Ridley Ave.; Ivey & Crook, Archts., Candler Bldg., Atlanta; LaGrange Lumber & Supply Co., Contrs.

Mo., St. Louis—J. Dubinsky, Wainwright Bldg., let contract to J. Ruben, 808 Chestnut St., for two 2-story, brick, 34x52 ft. tenements, 4434-40 Margaretta St.; tar and gravel roofs, hot air heat; O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—M. Freuh, 4175 Flad St., erect three 2-story, brick, 22x38 ft. tenements, 3518-22 Minnesota St.; \$22,500, asphalt shingle roofs, hot air heat; C. N. Jacobs Co., Archt., 1010 S. Vandeventer St.; owner builds.

Mo., St. Louis—W. W. Portmann, 3901 N. Taylor St., let contract to F. E. Shofner, 3800 S. Broadway, for two \$10,000, 2-story, 34x42 ft. brick tenements, 3621-25 Sophie St.; asphalt roofs, hot air heat; C. F. Schloemann, Archt., 6325 Lenox St.

Mo., St. Louis—Glen Eyrle Investment Co. let contract to Mississippi Valley Construction Co., 802 Chestnut St., for \$21,000, 2-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

story, brick, 102x31x39 ft. tenement, 6402-8 Idaho St.; composition roof, hot air heat; W. F. Sheehan, Archt., 721 Chestnut St.

Mo., St. Louis—L. Goldstein, 814 Chestnut St., let contract to J. Rubin, 808 Chestnut St., for two \$10,000, 2-story, brick, 34x52 ft. tenements, 5848-50 Theodosia St.; tar and gravel roofs, steam heat; O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—J. Rubin, 808 Chestnut St. erect \$10,000, 2-story, 34x52 ft., brick tenement, 5014-16 Northland St.; tar and gravel roof, steam heat; O. J. Popp, Archt., Arcade Bldg.; owner builds.

Mo., St. Louis—J. Luetzel, 4950 Louisiana St., erect \$10,000, 2-story, brick, 36x45-ft. tenement, 3237 S. Compton St.; composition roof, hot-air heat; J. M. Leopold, Archt. and Builder, 3728 Hydraulic St.

N. C., Mount Airy—White Sulphur Springs Co., Jos. H. Gwyn, Pres., rebuilding summer resort; includes rebuilding of 150-room hotel; E. S. Draper, Landscape Archt. and Engr.; P. H. Haskins, Constr. Engr., both Charlotte; purchase hotel furnishings and equipment next April.

Tex., Dallas—T. B. Small, 5000 Airline Road, erecting \$47,500, 2-story, 44x102 ft. apartment building, 1519 Bennett St.; oak floors, reinforced concrete foundation, brick veneer, plastered walls, tile roof; private plans. (See Machinery Wanted—Lighting fixtures; Furniture, Ranges, etc.)*

Tex., Houston—Mrs. S. A. Haywood let contract to J. P. L. Lawrenson for \$35,000, brick, 8-apartment house, Pierce Ave. and Baldwin St.

Va., Yorktown—A. A. Lane Construction Co., 1869 E. 55th St., Cleveland, Ohio, wires: "Contract awarded to A. A. Lane Construction Co., general contractors for Yorktown Manor Hotel, 300 rooms, Yorktown, Va., by Yorktown Hotel Corp., \$1,300,000; consists main building, gymnasium wing, dining room wing, auditorium wing and servants' wing; all 4 stories and basement, 50 ft. wide, aggregate length 800 ft., reinforced concrete construction; all trades handled by general contrs.; Archt. J. H. MacDowell, Bulkley Bldg., Cleveland.*"

Miscellaneous

Ala., Montgomery—Beauvoir Club, W. Leon Jackson, Sec., expend \$15,000 for redesigning and furnishing clubrooms on 12th floor of Bell Building; Mr. Gallup, New Orleans, has contract for redesigning.

Fla., West Palm Beach—Ossinoff Brothers, Contrs., New York and Philadelphia, have contract for casino at Picture City, with 800 ft. of ocean frontage.

Tex., Beaumont—Beaumont Country Club, E. Conway Brown, Chmn. Building Comm., 318 Perlstein Bldg., started work on \$50,000, 2-story, frame and stucco, 108x140 ft. country club; cement tile roof, hardwood and concrete floors, hollow tile, interior tile, plaster board, ventilators; Schenk & Fulweiler, Archts., 303 Perlstein Bldg.; Beaumont Construction Co., Contrs.*

Railway Stations, Sheds, Etc.

Tex., San Antonio—A. Vogel & Co. awarded contract at \$16,920 for 1-story, brick, hollow tile and reinforced concrete addition to American Express Co. building at Southern Pacific depot; J. M. Dunham, Constr. Supt.; Beverly W. Spillman, Archt., Alamo Natl. Bank Bldg.

Schools

Ky., Marion—F. Julius Fahs, New York, let contract to J. N. Boston & Sons, at \$75,000, for 2-story and basement, 72x108-ft., brick, steel and stone Fohs Hall; Barrett and slate roof, maple and yellow pine floors, rubble stone foundation, steel sash and trim; general contract includes heating, plumbing and electric wiring; contain lobby, music, sewing and reading rooms, gymnasium auditorium, etc.; Frankel & Curtis, Archts., Herndon Bldg., Lexington.*

La., Water Proof—Tensas Parish School Board, St. Joseph, let contract to G. H. Pannel for 2-story, brick and steel school building; Wm. F. Spink, Archt., Canal-Commercial Bldg., New Orleans.

Md., Baltimore—Board of Awards, Mayor Howard W. Jackson, Pres., let contract to P. C. Street Engineering Co., 404 St. Paul St., at \$879,000, for 3 elementary schools, namely Arlington, Hamilton and Windsor Hills; 3 stories and basement, L-shaped, 145.9x139.9

ft., slag roofs, concrete foundations, concrete, wood, terrazzo and cement floors, hollow tile, interior tile, metal doors, steel sash and trim, wire glass; Clyde N. and Nelson Friz, Archts., Lexington Bldg. (See Machinery Wanted—Building Material.)*

N. C., High Point—School Board let contract to E. T. Hedrick & Sons, 330 N. Wrenn St., at \$48,100, for 1-story, brick school building, Mechanicsville; Barber built-up roof, concrete foundation; Bryant Electric Co., wiring; Woodall & Woodall, plaster; H. B. Hunter, Archt.*

Okl., Cooperton—Board of Education let contract to A. M. Thompson, Walters, at \$29,654, for 1-story, brick and stone, 55x178 ft. school building; Monnot & Reid, Archts., Empire Bldg., Oklahoma City.

S. C., Ninety-Six—Greenwood County Board of Education, Greenwood, let contract to C. M. Guest, Anderson, for \$40,000, 1-story, 4-classroom and auditorium face brick trimmed with limestone, 139x70 ft. school; James C. Hemphill, Archt., Greenwood.

Tex., Austin—State Board of Control, S. B. Cowell, Chmn., Capitol Power House, let contract to H. E. Wattinger, 504 Oakland Ave., at \$65,620 for dormitory and employees home at Colony for Feeble Minded; Harper & Linscomb, 204 N. 13th St., plumbing at \$5500 at home, and John L. Martin, at dormitory; Donnelly & White, heating at \$6000; Braden-Hudson, San Antonio, electric wiring; 2 stories, composition roofs, concrete foundations; H. F. Kuehne, Archt., 824 Littlefield Bldg.*

Tex., Dallas—Board of Education, C. M. Moore, Sec., awarded following contracts for City Park School addition: Martin & Burton, 4908 Rieger Ave., \$75,000; steel, Mosher Steel & Machinery Co., 900 S. Austin St.; mill work, Buell Lumber & Manufacturing Co., 731 N. Hawkins St.; painting, W. E. Snipes, 5623 Goodwin Ave.; steel metal, A. C. Horn & Co., 1205 Hord St.; H. A. Overbeck, Archt., 306 Melba Bldg.; contracts for Lipscomb School addition as follows: Trinity Construction Co., 1320 Masonic St., general, at \$78,000; steel, Mosher Steel & Mch. Co., 900 S. Austin St.; sheet metal, Lone Star Heating & Ventilating Co., 904 McKinney Ave., face brick; W. L. Macatee & Son, 2907 San Jacinto St.; common brick, Ferris Brick Co., Ferris; hollow tile, Fraser Brick Co., Central Bank Bldg.; Herbert M. Greene & Co., 805 Santa Fe Bldg.*

Stores

Fla., Coral Gables—Rockport Development Co. of Titusville erect 3-story, reinforced concrete and hollow tile, Spanish design arcade building on Coral Way; 16 stores on first floor, 9 apartments on each floor above; Ralph A. Preas, Archt.; R. W. Edholm, Contr., Metropolitan Bldg.

Fla., Fort Pierce—J. J. Heim of Heim-Martin Securities Corp. let contract to E. L. Winn Construction Co., 105 Railway Exchange Bldg., Kansas City, Mo., for \$225,000, concrete and hollow tile with stucco exterior, 2-story arcade building, 250 ft. on Orange Ave., 250 ft. on Fourth and 250 ft. on Fifth Sts.; 60 shops and stores on ground floor and 12 offices above; Spanish type, plate glass show windows; Willis Irvin, Archt., Lamar Bldg., Augusta, Ga., and West Palm Beach.

Fla., Kissimmee—George King, Rialto Bldg., Kansas City, erect business block. (See Hotels and Apartments—Contracts Awarded.)

Fla., Lakeland—Marshall-Jackson Co. started work on N. A. Higgins building, to house C. E. Todd Hardware Co., on S. Florida Ave.

Fla., Miami Beach—Five Associates, Inc., let contract to J. G. Leinecker for \$45,000, 16-store building, Second St. and Collins Ave.; W. F. Brown, Archt., 608 Fifth St.

Fla., Miami—Coral Gables Realty Co. erect \$25,000 building, N. W. 17th St. and Fourth Ave., contains 5 stores and 25 hotel rooms; John H. Sealthorpe, Archt., Townley Bldg.; H. D. Bragg, Contr.

Fla., Sarasota—H. H. Bell let contract to Leadlay Ogden for 48x32 ft., 2-story, tile and stucco store and office building, Seventh and Pineapple Sts.; Mr. Humphrey, Archt.

Ky., Ashland—Camayo Arcade Corp. let contract to C. Harrison Smith, 608 Robson-Pritchard Bldg., Huntington, W. Va., at \$165,000 for 5-story, steel, brick, concrete and stone, 50x300 ft. arcade building, Winchester and Carter Aves.; concrete, terrazzo and cement floors, concrete foundation, composition roof, hollow tile, interior tile, metal doors, vault lights, ventilators, steel sash

and trim; Albert F. Klein, Archt. (See Machinery Wanted—Building Material.)*

Ky., Paducah—F. E. Lack, 905 Jefferson St., let contract to B. T. Davis, 1405 Jefferson St., for 1-story, 123x150 ft. retail stores building; composition roof, concrete foundation, hollow tile, concrete floors; Ed. D. Hannan, plumbing, 319 Kentucky Ave.; W. B. Rouse, Archt.

La., Monroe—W. A. Walker, Sr., 210 Pine St., let contract to T. L. Venable, 212 Texas St., for 1-story, 40x100 ft. retail grocery store, N. Third near Olive Sts.; brick walls, wood framing in roof, composition roof, concrete floors and foundation, plaster board, steel sash and trim, wire glass; Drago & King, Archts., Ouachita Bank Bldg.

La., Shreveport—H. C. Bellows, 208 Edwards St., erecting \$20,876, 2-story, brick, 50x85 ft. business building, 751 Gladstone Blvd., for C. B. Dickson; composition roof, wood and concrete floors, concrete foundation, metal ceilings, ventilators, ornamental terra cotta, steel sash and trim, wire glass; City Electric Co., 1200 Texas Ave., electric wiring; Dillinger Plumbing Co., 208 Milam St., plumbing; plastering, T. F. Balfe, Ward Bldg.; mill work, Cherry Novelty Works, 417 Seventh St.; plans by contractor; Leon Johnson, 539 Forest Ave., open bids about Nov. 1 for equipment and furnishings.*

Md., Centerville—S. Epstein enlarging and rebuilding store building; installing new equipment.

N. C., Winston-Salem—A. Lamos, 121 S. Spring St., let contract to Frank L. Blum Co., 110 E. Second St., for \$35,000, 2-story and basement, 78½x80 ft., brick store building, N. Liberty St.

Okl., Oklahoma City—R. V. Smith, 408 N. Broadway, let contract to Ward H. Fisher, Cotton Exchange Bldg., for \$80,000, 3-story and basement, fireproof, reinforced concrete with brick and stone finish, 80x140 ft. store and office building, Third and Santa Fe Aves.; Monnot & Reid, Archts., Empire Bldg.

Tenn., Kingsport—N. Shaheen let contract to J. W. Whited, Gate City, Va., for \$15,000, 2-story, 25x80 ft., brick business building, Cherokee and Sullivan Sts.; built-up roof, hardwood floors, concrete foundation, metal ceilings, ventilators; A. N. Dryden, Archt., Main St.*

Tex., San Antonio—Rogers-Hull Co., Travis Bldg., let contract to L. T. Wright & Co. for \$25,000, 2-story, brick and concrete store building, Houston and Losoya Sts.; George Willis, Archt., both Builders Exchange Bldg.*

Tex., Dallas—Dallas Hotel Co., Commerce & Akard Sts., let contract to Henger & Chambers Co., 315-8 Slaughter Bldg., on cost-plus basis, for \$100,000, 2-story and basement, 50x95-ft., semi-fireproof arcade and hotel entrance; tar and gravel roof, marble, linoleum, rubber tile and flint tile floors, concrete foundation, metal doors, vault lights, ornamental terra cotta; Bryan & Sharp, Archts., Athletic Club Bldg.*

Va., Richmond—S. T. Beveridge, Seventh and Byrd Sts., let contract to E. L. Bass & Bros., 708 Balnbridge St., for \$10,000, 2-story, 26x47 ft., brick store building, 310 N. Second St.; wood floors, brick foundation, tin roof; H. T. Barnham, Archt.

W. Va., Huntington—Joseph S. Fields, 845 Third Ave., let contract to Fred W. Castle & Son, First Natl. Bank Bldg., for \$75,000, 3-story and basement, brick and stone with steel frame, 100x600 ft. building, N. W. cor. Eighth St. and Fourth Ave.; first and second floors for Fields' Fashion Store and third for office suites; J. R. Gieske, Archt., Halswade Bldg.*

Theaters

Fla., Orlando—Orlando Enterprises, Inc., let contract to J. C. Hannah Construction Co. for \$100,000, 55x150 ft., stucco and tile, Spanish type theater building, W. Church St.*

Warehouses

Fla., Tampa—Florida Office Supply Co., 312 Twiggs St., erect \$21,000, 2-story, brick, 80x113 ft., warehouse in Estuary; wood floors, brick foundation, composition roof, 1-ton electric elevator.*

Md., Baltimore—Wm. A. Conway, 628 Forrest St., let contract to Smith & O'Brien, 532 N. Calvert St., for \$75,000, 3-story, brick and steel 60x100 ft. warehouse, Central Ave. and Mullikin St.; Harry Michaelman, Archt., Cockeysville.*

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MACHINERY, PROPOSALS AND SUPPLIES WANTED

Air Compressors.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids Oct. 7 for two air compressors, tankless, for operation on 110 volt, 30 cycle, A. C.; prices f.o.b. point of shipment.

Aluminum Pitchers.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids Oct. 10 for 48 aluminum pitchers with handle; capacity 2 qts.

Asbestos Pipe Covering, Etc.—Otto Contracting & Supply Co., 518 S. Twelfth St., Birmingham, Ala.—Wants to correspond with manufacturers of asbestos goods and pipe covering materials.

Bank Fixtures and Equipment.—S. Y. Way, 15 S. Orange St., Orlando, Fla.—Wants prices on bank fixtures, steel vault front for bank, steel vault front and safety deposit equipment for safety deposit vault.

Beds (Hospital).—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Oct. 21 for six adjustable hospital beds; prices f.o.b. point of shipment.

Boiler.—G. H. Cairns, City Mr., Gainesville, Fla.—Receives bids Oct. 28 for one 450-h. p. boiler.

Boiler.—Drawer O, Conway, S. C.—Wants one 125 h.p., H. R. T. boiler, 125 lb. pressure; state location, condition and price.

Boiler.—Guyan Machine Shops, Logan, W. V.—Wants about 75 h.p. boiler, locomotive type or H. R. T.

Boilers.—See Mining Machinery.

Boilers.—Keystone Equipment Co., Box 57, Easton, Penna.—Wants three locomotive type or economic boilers, A.S.M.E. code, 75 to 150 h.p. each; second-hand equipment.

Boiler.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one 10 h.p. vertical boiler.

Boiler and Heating Plant.—Board of Awards, F. A. Dolfeld, Register, Baltimore, Md.—Receives bids Oct. 14 to furnish and install boiler and heating plant in greenhouses, Carroll Park; Winfield F. Courts, Park Engr.

Bridge.—New Braunfels, Tex. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Bellville, Tex. See Roads, Streets, Paving.

Bridge.—Llano, Tex. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—State of South Carolina will build 2 bridges. See Construction News—Roads, Streets, Paving.

Bridge.—Hopewell, Va. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Steve Cranford, Jasper, Ala.—Wants to purchase second-hand bridge, 50 ft. spans.

Bridge.—Key West, Fla., will build 3 bridges. See Construction News—Roads, Streets, Paving.

Building Material.—C. Harrison Smith, Centr., 608 Robson-Prichard Bldg., Huntington, W. Va.—Wants prices on marble work, cut stone, tile and terrazzo, roofing and painting for \$200,000, 5-story Camayo Arcade, Ashland, Ky.

Building Material.—P. C. Streett Engineering Co., 404 St. Paul St., Baltimore, Md.—Wants prices and sub-contract bids on all branches of work, for Arlington, Hamilton and Windsor Hills elementary school buildings, to cost \$879,000.

Cables (Steel).—Keystone Equipment Co., Box 57, Easton, Penna.—Wants two pieces of 2¼ or 2½-in. diam. steel cables; second-hand equipment.

Cinders.—Dist. Commrs., Room 500 Dist. Building, Washington, D. C.—Receives bids Oct. 14 to furnish and deliver 6000 cu. yds. cinders.

Commissary Supplies.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids Oct. 16 to furnish commissary supplies; delivery Quantico, Va.; Sch. No. 201.

Compressors.—See Mining Machinery.

Concrete Machines.—Frank B. Nihart & Son, Boorer Bldg., Bay Minette, Ala.—Wants concrete machines to make concrete tile from 4 up to 36-in., also concrete brick machines to make concrete brick.

Concrete Products Machinery.—L. L. Mallard, Archt., Morehead City, N. C.—Receives bids on machinery for concrete products plant.

Cotton Seed Oil Machinery.—M. C. Winston, Warrenton, N. C.—Will install 2 press mill, wants cotton-seed oil machinery.

Crusher.—Maryland Equipment & Supply Co., Equitable Bldg., Baltimore, Md.—Wants

Gates 7½ type "K" crusher, give shop number, location, condition and price; immediate purchase.

Curtains, Mirrors, Etc.—El Paso County Commrs., E. B. McClintock, Judge, El Paso, Tex.—Receives bids Oct. 22 for following equipment for Liberty Hall: One proscenium asbestos curtain, equipped complete; one proscenium velour curtain, in two parts; one velour drapery concert setting in eleven pieces; 51 window curtains, non-transparent; 36 mirrors for dressing rooms, 14x16-in.; four border lights, four sections each; eight 600 watt auditorium chandeliers; 200—50 watt standard nitrogen globes; 200—40 watt standard blue glass Mazda globes; etc.; plans in office of County Auditor; W. F. Robertson, Constl. Engr., 412 Martin Bldg.

Deep Well Pump.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids Oct. 10 to furnish deep well pump complete for installation; delivery Annapolis, Md. Sch. No. 200.

Derrick.—W. A. Browning Machinery Co., Commerce St. and Exposition Ave., Dallas, Tex.—Wants stiff leg derrick with 60 to 70-ft. boom with clam shell; state price and condition.

Drainage.—See Water; Sewer; Drainage.

Dryer (Direct Heat).—Alex M. Robinson (Mchy. Dealer), Georgetown, Ky.—Wants 5x50-ft. or 6x60-ft. direct heat dryer; prefer Ruggles, Coles A-8 or 10 or equivalent; state price, condition, location, etc.

Electric Drink Mixers.—U. S. Veterans Bureau Division, Washington, D. C.—Receives bids Oct. 15 for 12 electric drink mixers; Hamilton-Beach Mfg. Co.'s "White Flash" or equal.

Electric Welder.—P. O. Box, 1675, Atlanta, Ga.—Wants electric welder, second-hand, Westinghouse, G. E. or Lincoln electric welding outfit complete; state condition, etc.

Engines.—Keystone Equipment Co., Box 57, Easton, Penna.—Wants 10x12 or larger D. C. tandem drum cableway hoisting engine; Flory Manufacturing Co. preferred; second-hand equipment.

Engines (Fuel Oil).—Town of Culpeper, Va., R. F. Booton, Chrm. Water Committee.—Receives bids Oct. 20 for furnishing materials, appliances, machinery and labor in installing improvements at pumping station, to include 1,000,000 g.p.d. high-service pump, 1,000,000 g.p.d. low-service pump, both to be actuated by semi-Diesel or full Diesel fuel oil engine, together with all accessories; alternate bids on fuel-oil engine with high-service triplex pump and low-service centrifugal pump; The Ambler Engineering Co., Engrs., Travelers Bldg., Richmond, Va.

Engine.—Kester Machinery Co., 430 Main St., Winston-Salem, N. C.—Wants 18x36 or 18x42 Corliss engine, belt drive.

Engines.—Drawer O, Conway, S. C.—Wants one 25 to 30 h.p. and one 50 to 60 h.p. engine; state location, condition and price.

Ferry Equipment.—B. B. Johnson, Jefferson County Judge, Beaumont, Tex.—Receives bids Oct. 12 for necessary equipment and operation of ferry.

Fertilizer Mixer.—M. C. Winston, Warrenton, N. C.—Wants fertilizer mixer.

Fill, Etc.—Louisiana Highway Comsn., W. E. Atkinson, Chrmn., Baton Rouge, La.—Receives bids Nov. 24 work consists of about 9.96 mi. Jefferson Parish, enlarging embankment being constructed by Sub-Drainage No. 3 of the Fourth Drainage Dist. of Jefferson Parish, about 820,000 cu. yds. hydraulic fill; muck canal and building roadway embankment, 782,000 cu. yds. from muck canal and about 5.35 mi. in St. Charles Parish, digging 2,102,000 cu. yds. hydraulic fill; W. B. Robert, State Highway Engr.

Fire Fighting Equipment.—Edgar Read, City Clerk, Charlotte, N. C.—Receives bids Oct. 14 for one triple combination (chemical hose and pumper) fire truck for 750 gal. capacity and two city service hook and ladder trucks; specifications with Chief of Fire Dept.

Fixtures (Electric).—J. W. Popham, P. O. Box 414, Miami, Fla.—Wants prices on electric fixtures for residence.

Flooring (Tile).—J. W. Popham, P. O. Box 414, Miami Beach, Fla.—Wants prices on tile floors for residence.

Gin.—Steve Cranford, Jasper, Ala.—Wants to purchase gin outfit; prefer equipment made by Lummus Cotton Gin Co., Columbus, Ga.

Glass (Window).—Board of Awards, F. A. Dolfeld, Register, Baltimore, Md.—Receives bids Oct. 14 to furnish window glass for

greenhouses in Carroll Park; Winfield F. Courts, Park Engr.

Glasses and Cartons.—The Ocean Breeze Co., C. L. Jewell, Mgr., Horse Cave, Ky.—Wants in large quantities, soda fountain glasses, 8-oz. capacity, to be put up in cartons of 6-doz. each; correspond with manufacturers.

Heating.—A. H. Krause, Frederick, Okla.—Wants prices on heating system for church.

Hospital Supplies.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids Oct. 10 for cooks' table, about 6 ft. long, 46 in. wide; on Oct. 12 for 500 pipettes, The A. H. Thomas Co.'s Catalog No. 8200 or equal, and on Oct. 15 for 3 surgical dressing carriages, The Kny-Scheerer Corp.'s Catalog No. 2137-40 or equal; state time of delivery.

Kerosene Hot Water Heater.—Dr. L. T. Royster, Box 148, University, Va.—Wants data and prices on kerosene hot water heater for domestic use.

Laboratory Supplies.—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Oct. 19 for laboratory supplies; prices f.o.b. point of shipment.

Laboratory Supplies.—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Oct. 13 for laboratory supplies, including bottles, brushes, lancets, dishes, flasks, forceps, funnels, test tubes, filter paper, etc.; prices f.o.b. point of shipment.

Lathe (Engine).—Battery Machinery Co., Rome, Ga.—Wants one 24 to 30 in. second-hand, heavy-duty engine lathe with quick-change gear, bed 16 to 20 ft. long.

Lighting Fixtures.—T. B. Small, 5000 Airline Road, Dallas, Texas—Wants prices on lighting fixtures for \$47,500, 2-story apartment house.

Lockers.—John A. Rogers, 508 Deland Rd., Daytona, Fla.—Wants prices on lockers.

Lumber.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids Oct. 19 to furnish Redwood, Southern Yellow Pine and Douglas Fir, untreated lumber; Southern Yellow Pine and Douglas Fir, untreated and creosoted timbers; Yellow Pine or Douglas Fir, creosoted piles. Blank forms and information (Circular No. 1707) on application to offices of Panama Canal; Asst. Purchasing Agents at Fort Mason, San Francisco, Cal.

Marble Work.—See Building Material.

Marking Machines, Etc.—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Oct. 12 for marking machines for U. S. V. Hospital, Lake City, Fla.; also 4 linen service truck; and on Oct. 13 for 1000 doz. plain white plates; prices f.o.b. point of shipment.

Merchandise.—Belmont Variety Store, Belmont, N. C.—Wants to correspond with jobbers and importers of five and ten cent goods.

Milling Machine.—Battye Machinery Co., Rome, Ga.—Wants one second-hand horizontal milling machine with 30-in. feed.

Mining Machinery.—J. A. Hanson, 801 S. Boulder St., Tulsa, Okla.—Wants mining machinery including boilers, compressors, cages, etc.

Miscellaneous Supplies.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids Oct. 12 to furnish pipe fittings; lead bends; closet bowls; cocks; traps; rubber balls; valves; hinges; radio transformers; chain links; roof drains; hardware; brushes; gloves, etc. Blank forms and information (Circular 2396) on application to offices of Panama Canal, Fort Mason, San Francisco, Cal.

Painting.—J. W. Popham, P. O. Box 414, Miami Beach, Fla.—Wants prices on painting for residence.

Painting.—See Building Material.

Paper Machinery.—S. Kendrick Guernsey, 721 W. Robinson Ave., Orlando, Fla.—Wants data and prices on machinery to convert waste paper into rough wrapping paper.

Paving.—San Angelo, Tex. See Construction News—Roads, Streets, Paving.

Petroleum Refining Apparatus.—Oil Exporters Service, 813 Whitney-Central Bldg., New Orleans, La.—Wants to correspond with manufacturers of petroleum refining apparatus, including latest cracking stills for gasoline and vacuum and other improved equipment for lubricating oils and new filter equipment.

Pipe (Cast Iron).—Washington Suburban Sanitary Comsn., Evans Bldg., New York

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Ave., Washington, D. C.—Receives bids Oct. 12 to furnish 16,000 ft. of 6 to 12-in. cast iron water pipe, Robert B. Morse, Chief Engr. of Dist., Hyattsville, Md.

Pipe (Galvanized).—J. E. Cousins, Jr., Prince George, Va.—Wants 4500 ft. of 2-in. and 12,500 ft. of 1-in. galvanized pipe; new or good used equipment.

Plumbing and Gas Fitting.—Board of Awards, F. A. Doffield, City Register, Baltimore, Md.—Receives bids Oct. 14 for plumbing and gas fitting at annex to school No. 45, Pennsylvania and Dolphin St.; C. H. Osborne, Chief, Bureau of Bldgs.

Pumping Station.—Water and Sewer Comsn., Charles E. Harper, Chrmn., Salisbury, Md.—Receives bids Oct. 16 for pumping station, Contr. No. 11 and 500 yds. excavation and re-fill, 86 tons iron pipe and specials, 10 gate valves, 5 well boxes, Contr. No. 12; Francis H. Dryden, Ch. Engr.

Press (Hydraulic).—Battley Machinery Co., Rome, Ga.—Wants one horizontal hydraulic press for removing pulleys from shafting.

Punch and Shear.—Guyan Machine Shops, Logan, W. Va.—Wants punch and shear for slitting and punching ½-in. plate.

Pumps.—See Engines (Oil, Fuel.)

Reservoir.—City of Jacksonville, Fla., Fred M. Valz, Chrm. City Comsn.—Receives bids Oct. 14 for reinforced concrete reservoir cor McDuff Ave. and Selma St.

Road.—State of South Carolina will build 2 roads. See Construction News—Roads, Streets, Paving.

Road.—Elkton, Md. See Construction News—Roads, Streets, Paving.

Road.—Uvalde, Tex., will build 2 roads. See Construction News—Roads, Streets, Paving.

Road.—Blackwell, Okla. See Construction News—Roads, Streets, Paving.

Road.—Bellville, Tex. See Construction News—Roads, Streets, Paving.

Road.—Falfurrias, Tex., will build 2 roads. See Construction News—Roads, Streets, Paving.

Road.—Key West, Fla., will build 4 roads. See Construction News—Roads, Streets, Paving.

Road.—State of Louisiana will build 2 roads. See Construction News—Roads, Streets, Paving.

Road.—State of Kentucky will build 3 roads. See Construction News—Roads, Streets, Paving.

Road.—Houston, Tex. See Construction News—Roads, Streets, Paving.

Road.—Lagrange, Tex. See Construction News—Roads, Streets, Paving.

Road.—Palatka, Fla. See Construction News—Roads, Streets, Paving.

Road.—Sarasota, Fla., will build 12 roads. See Construction News Roads, Streets, Paving.

Road Tractors, Etc.—Trinity County Comms., Fred J. Berry Judge, Groveton, Tex.—Receives bids Oct. 12 for one or more road tractors and graders.

Roofing.—See Building Material.

Roofing (Asbestos Shingle).—B. T. Thomas Co., Empire Bldg., Knoxville, Tenn.—Wants prices on asbestos shingles.

Safety Deposit Equipment.—See (Bank Fixtures and Equipment).

Scales.—M. C. Winston, Warrenton, N. C.—Wants railroad track scales, wagon scales, platform scales.

Seating.—A. H. Krause, Frederick, Okla. Wants prices on church seating.

Sewers.—See Water; Sewer; Drainage.

Sewer Construction.—City of Joplin, Mo., F. H. Gager, Supt. Joplin Park Board—Receives bids Oct. 15 for sewer in Schifferdeck Park.

Sewer System.—Comsn. Council of Baton Rouge, La.—Receives bids Oct. 9 for storm, drainage and sanitary sewers; J. W. Billingsley, Conslt. Engr.

Stationery, Etc.—State Board of Control, Printing Division, Austin, Tex.—Receives bids Oct. 27 to furnish stationery, printing and binding for all departments and institutions in state from Jan. 1, 1926 to Dec. 31, 1927.

Sterilizer, Etc.—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Oct. 14 for instrument sterilizers, electric; on Oct. 14 for 16 self-closing waste receptacles; prices f.o.b. point of shipment.

Street.—Auburndale, Fla. See Construction News—Roads, Streets, Paving.

Street.—Baltimore, Md. See Construction News—Roads, Streets, Paving.

Street.—Clearwater, Fla. See Construction News—Roads, Streets, Paving.

Steel Spiral Steps.—J. E. Cousins, Jr., Prince George, Va.—Wants about 50 feet of steel spiral steps.

Street.—Bluefield, Va. See Construction News—Roads, Streets, Paving.

Swimming Pool Apparatus.—John A. Rogers, 508 Deland Rd., Daytona, Fla.—Wants prices on swimming pool apparatus.

Swimming Pool Appliances.—S. L. Lupfer, Chrmn. Kiwanis Club Amusement Co., Kissimmee, Fla.—Wants prices on swimming pool appliances.

Tile.—S. L. Lupfer, Chrmn., Kiwanis Club Amusement Co., Kissimmee, Fla.—Wants prices on various kinds of tile for swimming pool.

Tubes (Boiler).—Keystone Equipment Co., 1947 Broadway, N. Y.—Wants 200 to 500 tons of 4-in. used scrap boiler tubes, any lengths, give best price per gross ton on cars, lengths and condition.

Turbines (Hydraulic).—U. S. Engineer Office, 1068 Navy Dept., Washington, D. C.—Receives bids Oct. 27 to furnish, install and test three hydraulic turbines for water supply for District.

Varnishes, Etc.—Gulf Naval Stores Supply Co., New Orleans, La.—Wants data and prices and best apparatus for making Ester Gums and varnishes.

Water; Sewer; Drainage.—Sewerage and Water Board, New Orleans, La., A. G. Moffat, Sec.—Receives bids Dec. 2 for furnishing labor, material on percentage basis for sewerage, water works and drainage construction during year 1926.

Water Softening and Purification Plant.—City of Fore Pierce, Fla., C. E. Cahow, Mayor—Receives bids Oct. 28 for furnishing materials, tools and equipment for construction of water-softening and purification plant; American Industries Engineering Co., Engrs., 140 Cedar St., New York, and 917 Johnston Bldg., Charlotte, N. C.; The Bishop Engineering Co., Associates, 116 S. Orange Ave., Orlando.

Water Works.—Town of Bushnell, Fla., C. B. Allen, Clk.—Receives bids Oct. 21 for furnishing material, equipment and labor and construction the following, to be erected complete: 75,000-gal. steel tank and tower; two 500 gal. per minute pumps, 1 electrical driven, 1 gasoline engine driven; 3800 ft. of 8-in. cast iron pipe; 15,000 ft. of 6-in. cast iron pipe; 9 tons special castings; 50 fire hydrants; thirteen 8-in. gate valves and boxes, twenty 6-in. gate valves and boxes; 1 pumping station building; pumping station piping; one 10-in. well or two 8-in. well; E. V. Camp & Associates, Inc., Conslt. Supervising and Testing Engrs., Bartow.

Wicket Irons, Etc.—U. S. Engineer Office, Box 72, Louisville, Ky.—Receives bids Oct. 20 for wicket irons, horses and props for navigable passes, Dams No. 49 and 50, Ohio river.

Woodworking Machine.—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Oct. 14 for Universal woodworking machine; prices f.o.b. point of shipment.

Statement of the ownership, management, circulation, etc., required by the Act of Congress of August 24, 1912, of MANUFACTURERS RECORD, published weekly at Baltimore, Md., for October 1, 1925.

State of Maryland,

City of Baltimore.

Before me, a Notary Public, in and for the State and City aforesaid, personally appeared Frank Gould, who, having been duly sworn according to law, deposes and says that he is the Business Manager of the MANUFACTURERS RECORD, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management, circulation, etc., of the aforesaid publication for the date shown in the above caption, required by the act of August 24, 1912, embodied in Section 411, Postal Laws and Regulations, to wit:

1. That the names and addresses of the publisher, editor, managing editor and business managers are: Publisher, Manufacturers Record Publishing Co., Baltimore, Md.; editor, Richard H. Edmonds, Manufacturers Record, Baltimore, Md.; managing editor, none; business managers, Frank Gould and Victor H. Power, Manufacturers Record, Baltimore, Md.

2. That the owners are: Richard H. Edmonds, Manufacturers Record, Baltimore, Md.; Mrs. Addie L. Edmonds, Manufacturers Record, Baltimore, Md.; Miss Mary E. Edmonds, Manufacturers Record, Baltimore, Md.; Frank Gould, Manufacturers Record, Baltimore, Md.; I. S. Field, Manufacturers Record, Baltimore, Md.; C. R. Marchant, Manufacturers Record, Baltimore, Md.; V. H. Power, Manufacturers Record, Baltimore, Md.; J. Robert Gould, Manufacturers Record, Baltimore, Md.

3. That there are no outstanding bonds, mortgages or other liens against the property, except mortgage on building, held by Baltimore Commercial Bank.

4. That the two paragraphs next above, giving the names of the owners, stockholders and security-holders, if any, contain not only the list of stockholders and security-holders as they appear upon the books of the company, but also, in cases where the stockholder or security-holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security-holders who do not appear upon the books of the company as trustees hold stock and securities in a capacity other than that of a bona-fide owner, and this affiant has no reason to believe that any other person, association or corporation has any interest, direct or indirect, in the said stock, bonds or other securities than as so stated by him.

FRANK GOULD,

Vice-President.

Sworn to and subscribed before me this 29th day of September, 1925.

EDWIN T. SICKEL,

Notary Public.

(My commission expires May 2, 1927.)

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Big Iron Ore Property to Be Sold.

Announcement is made elsewhere in this issue of the forthcoming sale of the Roaring Run iron ore property of 12,000 acres, which will take place October 27 at Horton Station (Parr Postoffice), Virginia. The property is situated in Botetourt and Alleghany counties, on the Chesapeake & Ohio Railway. Particulars will be found in the formal announcement of the sale, which will be to the highest bidder.

Coming Sale of Navy Surplus.

Announcement is made elsewhere in this issue of the forthcoming sale at the Boston Navy Yard on October 21, beginning at 10 o'clock A. M., of a large amount of navy surplus and surveyed material, including ferrous and non-ferrous metals, rivets, bolts, kettles,

coffee urns, mess and galley equipment, boat and ship fittings, tools, etc., electric and radio material, boats with motors, a steamer, etc. Catalogue may be had from the supply officer at either Boston or Portsmouth navy yards or else at the central sales office, Navy Yard, Washington, D. C. Particulars will be found in the advertisement.

"Amsco Fahrallloy" Castings a Success.

The American Manganese Steel Company, Inc., Chicago Heights, Ill., has entered the field of alloys for resisting high temperature and corrosive conditions, having withheld any general announcement of this, it is stated, until the "Amsco Fahrallloy" castings were proved practical and successful in production and actual use. Since the beginning of this year and under the direct supervision of Dr.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Fahrenwald, the company has been making and applying types of castings such as are now described in its catalogue section No. 26 and in his treatise also published. It is noted that the results obtained have been very gratifying both to the company's customers as well as to the company. The resistance of these alloys is certified by a report from one manufacturer that "Fahralloy" alkali fusion pots give a life of 1140 hours as against 20 hours for ordinary steel pots. Other equally satisfactory testimonials are also cited.

International Business Machines Building.

The International Business Machines Corporation recently took possession of their new building at 310 Fifth avenue, New York city, realizing a cherished dream of President Thos. J. Watson. Its location is between 31st and 32d streets and is large and commodious, besides being completely equipped for the display of the great variety of machines that are sold. There are eight floors in the building, which was planned and completed by Charles H. Higgins, architect, 10 West Forty-fourth street, New York.

Removal of Offices.

The Alabama Clay Products Company has announced the removal of its city offices from 600-614 Farley Building to 833-34-35-36-37 Martin Building, at Fourth avenue and Twenty-third street, Birmingham, Ala.

New Arc Welding Machines.

The latest addition to the General Electric Company's automatic arc welding line of products is equipment specially designed for the construction of range boilers and small tanks. This equipment includes two separate automatic arc welding machines, one for welding longitudinal seams and the other for circular seams. Tank sizes accommodated run from 11 to 35 inches in diameter and up to 6 feet in length. Estimates made by the company show that on a production basis of 100 boilers a day this method will save from \$10,000 to \$15,000 a year as compared with the riveting method. Both machines are arranged for push-button control.

Machine Tools, Machinery, Etc., to Be Sold.

An auction sale of machine tools, machinery and supplies of the Groton Iron Works will take place on the premises at Groton (New London), Conn., on Thursday, October 15, at 11 o'clock A. M., according to a formal announcement that appears elsewhere in this issue. The sale will include locomotive cranes, overhead traveling cranes, tower gantry cranes, jib cranes, flat cars, punches, shears, bending rolls, tools, lathes, drill presses, milling machines, shapers, etc., besides electric motors, shafting, belting, etc. Particulars will be found in the advertisement. Samuel T. Freeman & Co. of Philadelphia and Boston are the auctioneers.

"Thor" Branch in Milwaukee.

The Independent Pneumatic Tool Company of Chicago, manufacturers of the "Thor" pneumatic tools and electric tools, have opened a branch office at 288 East Water street, Milwaukee, Wis., where a full stock of the company's products, spare parts and accessories will be carried. This new branch will be in the charge of G. H. DuSelle, an experienced man in the pneumatic and electric tool line, who has traveled in the Milwaukee sales district for the company for many years.

Warrior Cement Purchasing Methods.

President A. C. Deer of the Warrior Cement Corporation has announced that the purchases of materials for this company will be made from its offices at Spocari, Ala., and that correspondence regarding orders, together with bills of lading, should be mailed to that place. Also that invoices in duplicate are to be mailed promptly after shipments are made to the executive offices of the company in the Provident Building at Chattanooga, Tenn.

Reading Chain Opens New York Office.

The Reading Chain & Block Corporation, whose main offices and works are at Reading, Pa., have opened an office in New York city in the charge of R. E. Nelles. This office is located at 90 West street and is in position to handle the company's business in that territory.

New \$500,000 Church for Charlotte.

E. R. Bucher of Charlotte, N. C., advises the MANUFACTURERS RECORD that plans are under way for the erection of a new downtown Methodist church building in that city to cost approximately \$500,000. The building committee is interested in the selection of an architect who specializes in church architecture, and communications should be addressed to its chairman, Julian H. Little, president of the Independence Trust Co., Charlotte.

\$3,000,000 12-Story Hotel.

Miami, Fla.—Plans are being made by Frank V. Newell, president and treasurer of the Modern Investment Co., for a 12-story hotel to be erected here by his company at a cost of \$3,000,000. The building will front 142 feet on West Flagler street and 150 feet on Northwest 17th court. It will be U-shaped surrounding a park 54 by 115 feet, with a 16-foot double driveway. There will be more than 800 rooms, divided into 264 apartments of two and three rooms and 180 transient hotel rooms. The Moorish type of architecture will be employed for the exterior of the structure, which will be of reinforced concrete. It will be erected in three units.

A Fine Agricultural Issue.

The October number of the "Agricultural Bulletin," published by the West Point Route, E. S. Center, Jr., general agricultural agent, Atlanta, Ga., is a profusely illustrated issue which tells in pictures some of the many advantages of the region served by the Atlanta & West Point Railroad, the Western Railway of Alabama and the Georgia Railroad which compose the Route. The main line extends from Augusta to Atlanta, West Point, Montgomery and Selma. One division runs to Macon, another to Athens, Ga., and another to Elberta. All of the line goes through rich farming country, but that part of it in Alabama traverses the rich black soil lands, Montgomery county being in the heart of the black belt. The magazine is an inspiring publication.

Urges Georgia Farmers to Grow Vetch.

Cultivation of vetch as a means to increase the corn crop of Georgia is to be recommended to the farmers of that state by the banks composing the Georgia Bankers Association at the instance of H. M. Cottrell, agriculturist of the organization. Every bank in the state has been asked to induce at least 200 farmer customers to sow vetch for that purpose.

Vetch, it is explained, grows through the winter and early spring and then is turned under and the land planted to corn, the result being an estimated increase of 15 bushels an acre in the corn yield. The cost of this increase through the use of vetch is figured at about 30 cents a bushel. The average yield of corn in Georgia in the past 50 years is said to have been around 12 bushels an acre.

Georgia, says Mr. Cottrell, needs two things: "Larger annual income for her farmers and enough good farmers with capital to come into the state to cultivate her idle lands," and he believes that "sowing hairy vetch to make corn pay will help to supply both needs."

Merger of Florida Telephone Properties.

Orlando, Fla.—Reports state that the Florida Telephone Corporation will be the name of a company to be organized through the consolidation of seven operating companies in this state. The new company, it is said, will serve 31 communities in central and northern Florida, with a total permanent population of 100,000. R. F. De Voe & Co., bankers, of New York city, are reported as arranging to offer mortgage bonds of the new company.

Increased Power for Reynolds Tobacco Plant.

Winston-Salem, N. C.—Contracts for the purchase of equipment to be installed in an additional steam-electric power plant which will increase the power production of the company approximately 40 per cent have been awarded by the R. J. Reynolds Tobacco Co. of this city. The plant will be located on the Southern Railway tracks near 5th street, and will consist of a boiler room and turbine room with basement,

of concrete construction. It will cost about \$350,000. J. E. Sirrine & Co. of Greenville, S. C., are engineers.

Equipment contracts have been awarded as follows: Turbo-generator, General Electric Co., Schenectady, N. Y.; boilers, Edge Moor Iron Co., Edge Moor, Del.; stokers, Riley Sanford Stoker Co., Worcester, Mass.; condenser and cooling tower, C. H. Wheeler Manufacturing Co., Philadelphia; heater, Warren Webster Co., Camden, N. J., and for chimney, the Alphons Custodis Chimney Construction Co., New York.

Awards Contract for 25 Dwellings.

Roanoke, Ala.—Contract has been awarded by the W. A. Handley Manufacturing Co. for the erection of 25 additional dwellings for operatives. They will be located on ground adjoining the mill property which has been purchased for that purpose.

The Handley mill is equipped with 25,408 spindles and 517 looms for the production of heavy cotton specialties, and is operating at full capacity with day and night forces.

Power Company to Issue \$1,100,000 of Stock.

Atlanta, Ga.—Application has been made to the Georgia Public Service Commission by the East Georgia Power Co., a subsidiary of the Georgia Railway & Power Co., for authority to issue \$1,100,000 of stock. The Georgia Railway & Power Co. joins the petition for the purpose of asking approval of the commission to its leasing the East Georgia Power Company's lines, the stock issue having been subscribed by the former.

Bird Sanctuary in Florida.

Mrs. James J. Wilson has started a movement, under the title of "Florida's Gift to America," to establish a memorial sanctuary in the heart of the Everglades of Florida to be used as a haven for the migratory birds of America, and especially for Florida's own native birds and the fast disappearing animals of the Glades.

"To secure 100,000 acres, which is little more than 13 miles square, for a wild life preserve," writes Mrs. Wilson from New York, "should be an easy proposition, as such a sanctuary will be an asset not only to Florida but also to the entire country. The territory for such a home will be secured on the watery part of the Glade country, which will make ideal feeding ground for the countless thousands of 'tourist birds' that winter in Florida."

Extension of Transmission Lines in Florida.

Tampa, Fla.—Contract has been awarded to Stone & Webster, Inc., of Boston, Mass., by the Tampa Electric Co. for the construction of a 66,000-volt transmission line to Mulberry and Winter Haven, a distance of 55 miles. Energy will be stepped up through the 15,000 kva sub-station at Tampa and will be transmitted over a line supported by creosoted pine poles. A sub-station at Mulberry with a capacity of 4000 kva will supply a phosphate company in that district, while the Winter Haven sub-station will have a capacity of 1500 kva.

A second 66,000-volt line 35 miles long is being built by Stone & Webster, Inc., to interconnect the Tampa Electric Co. with the Pinellas County Power Co. and the Florida Power Co. at Tarpon Springs. It is of a type similar to the Winter Haven line and is supplied from the Tampa sub-station.

School bonds in the amount of \$250,000, offered at 4½ per cent, have been sold by the city of Knoxville, Tenn., to the East Tennessee Savings Bank of Knoxville for the Mechanics and Mutual Bank of New York at \$248,302.

Preparing for Southern Exposition.

Plans, adopted and tentative, for participation in the second Southern Exposition, to be held in the Grand Central Palace, New York city, September 27 to October 6, 1926, already are reported from various cities and sections of the South, and support and co-operation are promised to W. G. Sirrine, president of the Southern Exposition, by interests of every kind. In a letter to Mr. Sirrine, Charles M. Montgomery for the Richmond Chamber of Commerce said:

"For your information, I beg to advise that at a meeting our advertising committee endorsed the idea of conducting a Richmond display at the Southern Exposition in September, 1926, and recommended to the board that an appropriation sufficient to cover the cost involved be made by that body."

As the Virginia Legislature does not meet until next January, Mr. Montgomery adds, it will not be possible to obtain any legislative action in the meanwhile, but expectation prevails that the legislature will take steps to assure Virginia's participation.

With C. J. Neekamp at the head, the commission for Kentucky appointed by Governor Fields is already at work to create interest in the part that the state will play in the Exposition. According to the Ashland Daily Independent, "the Associated Industries of Kentucky, an organization of the principal industries and manufacturing firms of the state, has expressed an interest in this work," and it adds that "a real exhibit of Kentucky's resources and products would be worth many times its cost to the people of the state, and it is to be hoped that the interest taken by the Governor and the commission appointed by him will bring about a display in the Exposition of 1926."

Editorial endorsement of the Exposition is thus given by the Atlanta Journal, in part:

"Though the second Southern Exposition at the Grand Central Palace in New York will not open until the autumn of 1926, it is none too early for Georgia and her neighbor states to begin planning for that great enterprise. The first Exposition of the kind held in May of the current year was, and still is, famously successful. The exhibits of Dixie's natural treasures and industrial attainments were visited by millions from all regions of the Northeast and the middle West and by many from remoter parts of America and from foreign lands. The eyes of investors were turned Southward as never before; and homeseekers who had heard often of the resources of Georgia, yet questioned the conservatism of the reports, were convinced that the half had not been told. As a direct consequence of the venture last spring, scores of new manufacturing plants and mercantile concerns have been, or soon will be, established in this state—a royal return from a modest financial outlay."

In speaking of a general plan for the advertising of Alabama, the Birmingham Age-Herald says:

"When Alabama assembled and put on display at the Southern Exposition in New York last spring an array of the state's matchless products, and when this state by that display carried off first prize among all Southern states for the variety and character of products and resources shown, the people of Alabama themselves learned some lessons which are going to continue to be helpful and useful for many years. It was actual and visible proof of what they had long felt, namely, that Alabama is entitled to lead the South and that all that is necessary to convince the remainder of the world of this fact will be proper development of the state's resources. This development will involve not only bringing in more people from the outside to assist in the work, but it will mean that more and more capital must be induced to come here to utilize the array of raw materials that a bountiful Providence has given to Alabama so abundantly."

"The outcome of the Southern Exposition therefore was a direct precursor of the steps just inaugurated for 'broadcasting Alabama' to the world and putting before investors and prospective settlers in a steady and continuing way the opportunities offered in Alabama."

Several of the Southern states are expected to take action through their legislatures for state participation in the Exposition.

FINANCIAL NEWS

Bond Issues Proposed

Ala., Anniston—City plans selling \$40,000 improvement refund bonds, and \$10,000 school bonds. Address Mayor Reaves.

Fla., Apalachicola—Road—Franklin County Comms. receive bids Nov. 12 for \$250,000 bonds.

Fla., Bartow—Road—Polk County Comms., J. D. Raulerson, Clk., will sell \$300,000 warrants.

Fla., Branford—Street, Sewerage—City contemplates \$25,000 bond election. Address City Clk.

Fla., Crescent City—Paving—Town receives bids Oct. 21 for \$45,000 6% bonds. Address City Clk.

Fla., Dade City—Municipal Improvement—City voted \$200,000 bonds; \$60,000 paving; \$35,000, sewerage extension; \$80,000, water works; \$25,000 park. Address City Clk.*

Fla., DeLand—Port Development—Daytona and New Smyrna Inlet Dist., comprised of County Comms. Dist. Nos. 4 and 5 of Volusia County, created Board of Port Comms. of three members, and approved \$1,500,000 bonds, at election Oct. 5. Engineers will be selected and surveys made.*

Fla., DeFuniak Springs—Municipal Improvement—City plans \$78,000 bond election, including \$63,000 paving, \$10,000 toward city hall, \$5,000 park. Address City Clk.

Fla., Fort Lauderdale—Broward County Comms., Frank A. Bryan, Clk., receives bids Oct. 21 for \$300,000 highway, and \$200,000 courthouse 5½% \$1000 denom. bonds.

Fla., Fort Meade—Municipal Improvement—City plans \$75,000 bond election for city hall, water, light and sewer. Address City Clk.

Fla., Graceville—Sewerage—City, H. Langston, City Clk., receives bids Oct. 19 for \$42,000 6% \$1000 denom. bonds.

Fla., Miami—Causeway—Dade County Comms. plan issuing and selling \$675,000 bonds; T. A. Winfield, Chmn., Everglades Ave. Causeway Assn.*

Fla., Ocala—Refunding—Board of Public Instruction, H. G. Shealy, Sec., receives bids Oct. 15 for \$30,000 6% bonds.

Fla., Orlando—Road—Orange County Comms. contemplate \$3,000,000 bond issue.

Fla., Palatka—Street Paving—City Comm. contemplates \$157,000 bond election.

Fla., Panama City—Municipal Improvement—Bay County voted \$150,000 bonds. Address County Comms.*

Fla., Quincy—Road—Gadsden County contemplates bond issue. Address County Comms.

Fla., St. Augustine—Municipal Improvement—City plans \$135,000 bond issue, for storm and sanitary sewer system, lights, and sidewalks; Eugene Masters, City Mgr.

Fla., St. Petersburg—Road—City votes Oct. 20 on \$490,000 bonds; S. S. Martin, Director of Finance. Lately noted election Oct. 13.

Fla., Tallahassee—Road—Leon County contemplates bond issue. Address County Comms.

Fla., Tampa—Road—Hillsborough County voted \$75,000 bonds; W. A. Dickerson, County Clk.*

Fla., Tavares—Road—Lake County, Howey, in-the-Hills Dist., contemplates \$50,000 bond issue; G. S. Mickle, County Engr.

Fla., West Palm Beach—Road—Palm Beach County Comms. plan selling \$600,000 bonds.

Ga., Chickamauga—Town voted \$12,000 school and \$8000 paving bonds. Address City Clk.

Ga., Oglethorpe—Road—Macon County contemplates bond election. Address County Comms.

Ky., Louisville—School—City votes Nov 3 on \$5,000,000 bonds; A. B. Edmiston, Clk., Board of Aldermen.

La., Alexandria—Rapides Parish voted \$160,000 bridge and \$25,000 road tax bonds. Address Police Jury.*

La., Welsh—Water Works—Town, F. G. Seward, Clk., receives bids Oct. 20 for \$60,000 6% bonds; John W. Armstrong, Mayor.*

Miss., Jackson—School—Hinds County Board of Suprvs., W. W. Downing, Clk., receives bids Nov. 2 for 150,000. 5% bonds.

Miss., Philadelphia—School—City votes Oct. 16 on \$65,000 bonds. Address Pres. School Board.

Mo., California—Water—City voted \$20,000 bonds. J. B. White, City Engr.

Mo., Savannah—Water Works—City votes Oct. 20 on \$60,000 bonds; W. S. Dray, City Clk.*

Mo., Sikeston—Sewer—City votes Oct. 20 on \$82,000 bonds; M. S. Pitman, City Clk.*

Mo., Tipton—Water, Sewer—City plans voting on bonds. Address City Clk.

N. C., Seaboard—Electric Light and Street—Town, H. B. Lassiter, Town Clk., receives bids Oct. 19 for \$15,000 6% bonds.

N. C., Shelby—School—City, A. P. Weathers, Mayor, voted \$200,000 Shelby Special Charter School Dist. bonds.*

N. C., Warrenton—Road—Warren County, S. M. Gardner, Register of Deeds, receives bids Oct. 15 for \$20,000 5% \$1000 denom. bonds.*

Okla., Okemah—Courthouse—Okfuskee County Comms. will call election Oct. 26 on \$200,000 bonds.*

Okla., Tuttle—Water—City voted \$38,000 bonds. Address City Clerk.

S. C., Lexington—City voted \$103,000 bonds, \$72,000, water; \$31,000, sewer. Address City Clk.*

Tenn., Carthage—Water, Sewer—City contemplates \$15,000 bond election. Address Town Council.*

Tenn., Dickson—City voted \$100,000 sewer and \$25,000 water bonds. Address City Clk.*

Tenn., Knoxville—Paving—City contemplates \$375,000 bond issue. Address City Clk.

Tenn., Knoxville—Water Works—City plans selling \$2,500,000 bonds after Oct. 12; Louis Brownlow, City Mgr.

Tenn., Riverview, Chattanooga—Municipal Improvement—Town contemplates bond election; E. M. Wight, Commr. of Streets and Sewers.

Tenn., Springfield—School—City voted \$90,000 bonds. Address City Clerk.*

Tex., Asherton—Water, Light, Ice—City, R. W. Taylor, City Mgr., may vote Jan. 2, 1926 on \$40,000 bonds.*

Tex., Burnet—Road—Burnet County contemplates bond election. Address County Judge.

Tex., Denton—Road, Refund—Denton County contemplates \$1,888,500 bond election. Address County Comms.

Tex., Duncanville—Water Works—City will vote soon on bonds. Address the Mayor.

Tex., Fort Worth—Municipal Improvement—City, City Mgr. Carr, contemplates \$3,500,000 bond issue for water, sewer and street paving.

Tex., Graham—Road—Young County voted \$40,000 bonds; W. F. Parsley, County Judge.

Tex., Hillsborough—Road—Hill County, Blum Dist., defeated \$85,000 bond issue; Olin Culbertson, County Judge.*

Tex., Johnson City—Road—Blanco County voted \$27,000 bonds; Wm. Martiny, County Judge.

Tex., Lufkin—Paving—City contemplates bond election soon. Address the Mayor.

Tex., Olney—Road—Young County voted \$400,000 bonds; W. F. Parsley, County Judge.

Tex., Tahoka—Water Works—City votes Oct. 17 on \$60,000 bonds. Address the Mayor.

Tex., Waelder—Water Works—City, A. J. Stewart, Mayor, receives bids Oct. 9 for \$37,500 bonds; Municipal Engineering Co., 601 Praetorian Bldg., Dallas.

Va., Berryville—Water Works—Town voted \$55,000 bonds. Address Town Clerk.*

Bond Issues Sold

Ala., Brewton—Paving—City sold \$24,500 7% bonds to Merchants Bank of Mobile.

Fla., Arcadia—Street—City, V. O. Fussell, Recorder, sold \$560,000 6% bonds to Florida Trust & Banking Co. of Arcadia at premium of \$14,000.*

Fla., Bartow—Light and Power—Polk County Comms., J. D. Raulerson, Clk., sold \$120,000 6% coupon bonds to Vandersall & Co., Toledo, at \$100.86.*

Fla., Dundee—Water Works—City, John Olsen, Clk., sold \$25,000 6% bonds to Stranahan, Harris & Oatis, Inc., Toledo, at 99.25.*

Fla., Monticello—Paving—City, C. A. Sloan, City Clk., sold \$60,000 coupon bonds to Farmers & Merchants Bank of Monticello at premium of \$3900.*

Fla., Pensacola—Improvement—City, John Frenkel, Clk., sold \$150,000 bonds to Weil, Roth & Irving Co., Cincinnati, at premium of \$1650 and accrued interest.

Fla., Tampa—Road—Hillsborough County Comms. sold \$750,000, 5½% \$1,000 denom. East Tampa Special Road and Bridge Dist. bonds jointly, to Exchange National and First National Banks of Tampa, at par.*

Ky., Jeffersonville—Refunding—City sold \$100,000 bonds to Fletcher Savings & Trust Co., Indianapolis, Ind., at par, accrued interest and premium of \$812.

La., Alexandria—Road—Rapides Parish Police Jury sold \$30,000 5½% bonds to Rapides Bank & Trust Co., at par, accrued interest and premium of \$251.

Miss., Natchez—Paving—Board of Aldermen, Capt. John F. Jenkins, City Clk., sold \$500,000 5% bonds to Interstate Trust & Banking Co.*

Mo., St. Louis—City sold \$4,139,000 4½% bonds to syndicate composed of Estabrook & Co., 24 Broadway, New York, and Kaufman-Smith & Co., Security Bldg., St. Louis, at 99.31.

Mo., Piedmont—Water Works—City, W. E. Hamacher, sold \$50,000 5½% bonds to Louis W. Thompson Co., St. Louis, at \$50,092 and accrued interest.

N. C., Huntersville—Water, Sewer—Town Comms. sold \$75,000 bonds to R. S. Dickson & Co., Gastonia, N. C., and Stranahan, Harris & Oatis, Toledo, Ohio.

N. C., Kenansville—Road—Duplin County Comms., Lawrence Southerland, Clk., sold \$520,000 5% bonds to Braun, Bosworth & Co., Toledo, Ohio.*

Tex., Colorado—Municipal Improvement—City sold to Garrett & Co., Magnolia Bldg., Dallas, \$30,000 5% city hall bonds and \$9360 6% sewerage disposal plant warrants.

Tex., Corpus Christi—Sewer—City, H. Levinson, City Engr., sold \$250,000 5% bonds to Sutherland, Barry & Co., 339 Carondelet St., New Orleans, at par and accrued interest.*

Tex., Cuero—Road—De Witt County sold \$196,000 Road Dist. No. 1 bonds to Yoakum State Bank, Yoakum, at par and accrued interest.

Tex., Harrisburg—School—Harrisburg Independent School Dist., J. Olin Van Ness, Sec., sold \$150,000 5% bonds to Sutherland, Barry & Co., Inc., New Orleans, at premium of \$3,212.*

Tex., Texarkana—Street—City sold \$200,000 4½% bonds to H. C. Burt & Co., Austin, at 97.75.*

W. Va., Parkersburg—School—State Sinking Fund Comm., Charleston, sold \$118,000, Parkersburg Independent School Dist. bonds to Folds, Buck & Co., 208 S. LaSalle St., Chicago, Ill., at par, accrued interest and premium of \$4031.

Building and Loan Associations

Md., Baltimore—Oakland Building & Loan Assn., Inc., 506 E. Baltimore St., capital \$500,000, incorporated; David Feldman, Samuel Zalis.

Mo., Jefferson City—Mutual Building & Loan Assn., Sam B. Cook, Pres., plans increasing capital, \$1,000,000 to \$2,000,000.

Okla., Muskogee—Victor Building & Loan Co., 504 Surety Bldg., R. P. Harrison, Pres., increased capital, \$2,000,000 to \$5,000,000.

New Financial Corporations

Ala., Birmingham—Birmingham Bond & Mortgage Co., 2028 First Ave., North, capital \$2,500,000, organized; Ed S. Moore, Pres.; Paul H. Earle, Sec.

Ala., Huntsville—Tennessee Valley Bank, Clyde Hendrix, Pres., Decatur, acquired Farmers State Bank, Thomas T. Terry, Pres., Huntsville.

Ky., Elizabethtown—Hardin County Investment Co., capital \$10,000, incorporated; R. N. Spriggs, G. W. McFarland.

La., Cotton Valley—Commercial Bank of Cotton Valley, capital \$25,000, organized; Ben Johnson, Pres.; Crockett J. Provost, Cashier.

La., Houma—Ventress-Lawrason Investment Co., Inc., capital \$400,000, incorporated; Douglas M. Kilpatrick, Pres.; E. Lawrason Butler, Sec.-Treas.

La., New Orleans—General Brokerage Co., Inc., chartered; R. X. Levy, Empire; C. F. Greiner, Harvey.

(Continued on page 116)

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

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FINANCIAL NEWS

(Continued from page 114)

Miss., Gulfport—Mississippi Mortgage & Bond Co., of Gulfport, organized; Leo W. Seal, Pres., Bay St. Louis; G. E. Williams, Sec.-Treas., Godchaux Bldg., New Orleans, La.

Mo., Brookfield—First National Bank, capital \$100,000, incorporated; Walton E. Todd, Pres.; J. D. Freund, Cashier.*

Mo., Kansas City—Kansas City Joint Stock Land Bank, Land Bank Bldg., purchased Liberty Central Joint Stock Land Bank of St. Louis, owned by Liberty Central Trust Co.

Mo., Kansas City—United Power Securities Co., capital \$1,500,000, incorporated; H. E. Littig, Sec.

Mo., Kansas City—Diversified Investments, Inc., incorporated; J. G. Crane, Pres., 1424 Telephone Bldg.

Mo., St. Joseph—Commerce Loan & Investment Co., incorporated; Culver, Phillip & Voorhees, Tottle Bldg.; Gerald Feltenstein.

Mo., St. Louis—Balsom Mortgage Co., Inc., Room No. 1 Balsom Bldg., incorporated; Lewis Balsom.

Mo., St. Louis—Kirkpatrick Finance Co., capital \$500,000, incorporated; H. C. Kirkpatrick, 6301 Washington St.

Mo., St. Louis—Union Finance Co., capital \$10,000, incorporated; A. J. Yahlem, 6358 Delmar St.

Mo., St. Louis—Webster Mortgage & Investment Co., incorporated; Elvira Ude, 3458 Wyoming St.

N. C., Williamston—Joseph C. Rasberry, Pres. National Bank of Kinston, interested in establishing bank.

Okla., Oklahoma City—General Acceptance Corp., capital \$75,000, incorporated; Dr. L. E. Faris, J. H. Gwin.

S. C., Denmark—Denmark Finance Corp. of Denmark, capital \$25,000, chartered; H. R. Christie, Pres.; T. E. Steadman, Sec.-Treas.

S. C., Greer—Peoples Trust Co., Inc., capital \$10,000, organized; J. D. Lanford, Pres.-Treas.; J. D. Rattieree, V-P. and Gen. Mgr.

S. C., Greenville—Manning-Geer Co. of Greenville, capital \$25,000, chartered; V. M. Manning, Pres.-Treas., Emaxue Bldg.; G. K. Geer, V-P. and Sec.

Tenn., Centreville—Security Bank & Trust Co., capital \$25,000, incorporated; Stanley C. Broome, Pres.; T. M. Huddleston, Cashier.*

Tenn., Chattanooga—First National Bank of Chattanooga acquired First Trust & Savings Bank, J. P. Hoskins, Pres. of both institutions; plans establishing trust department; opening branch at Georgia Ave. and Ninth, to be known as Volunteer Office; increase capital, \$1,000,000 to \$1,250,000.

Tex., Abernathy—J. M. Hicks, Goldthwaite, interested in organizing First National Bank with \$25,000 capital.

Tex., Houston—Houston Labor Bank & Trust Co. of Houston, capital \$100,000, incorporated; State Senator Charles Murphy, Pres., Union National Bank Bldg.

Va., Norfolk—Guaranty Title & Trust Co., 201 E. Plume St., A. P. Grice, Pres., plans increasing capital, \$675,000 to \$1,000,000.

Trade Literature

Lee Turbines and New Over-Speed Stop.

Bulletin No. 402 of the D. E. Whiton Machine Company, New London, Conn., fully describes and illustrates the over-speed stop for Lee turbines, this device shutting off the steam to the turbine should the latter over-speed. It is operated by a centrifugal plunger that is usually set so that it will throw out at a speed of about 300 revolutions per minute above the maximum speed at which the turbine should run. Bulletin No. 401 gives a complete description, including pictures, of the turbine itself, cross section views displaying the interior and also the way in which the steam action occurs. There are 20 of these turbines in the gas company's plant at Baltimore.

Two Fine Blaw-Knox Publications.

The Blaw-Knox Road Barricade is illustrated and described in a folder issued by the manufacturer, the Blaw-Knox Company, Pittsburgh, Pa. This device, which is said to be "As impassable as the steel gate of a bank," is for protecting newly laid concrete roads from use until they are thoroughly cured. It is made of steel and it is firmly fixed and cannot be opened until it is unlocked by an official's key. It was invented by R. A. Trufant, a highway engineer in Illinois. Another publication from the same manufacturer is a catalogue concerning "Batcher Plants for the General Contractor." This book considers successively measurement by volume, by weight and inundation, and it is claimed to be the most complete work of its kind about the proportioning of concrete aggregates. It is liberally illustrated.

Standardization of Materials.

The Clay Products Association, 913 Chamber of Commerce Building, Chicago, Ill., has issued a booklet called "Tentative Standards," the purpose of which is to secure the co-operation of engineers, architects and others interested in drainage and building materials in the general effort for the standardization of all manufactured products and the elimination of varieties, aiming to lower production costs and consequent saving to the consuming public by the manufacturers of vitrified salt glazed clay sewer pipe. Besides considering sewer pipe, the booklet discusses clay flue linings, chimney pipe, wall coping and fittings, besides specifications for laying sewer pipe.

Lidgerwood Builders' Hoist.

A circular which comprehensively describes and illustrates the Lidgerwood high-speed gasoline builders' hoist has been issued by the Lidgerwood Manufacturing Co., 96 Liberty street, New York, which says that this hoist has been specially developed after a thorough study of actual conditions met in work and also after experience gained in building electric hoists for the same service. It is especially noted that a contractor who purchased one of the hoists and then thoroughly tested it has since purchased 25 more. This hoist is employed in operating the material elevators used in building construction. It is strong and fast.

Book Review

The Negro of the Old South; A Bit of Period History. By Mrs. Nicholas Ware Eppes. Chicago: Joseph G. Branch Publishing Company. 1925. Cloth, pp. 203.

This book, the author declares, is a true and faithful story about conditions in the South before and after the reconstruction period. It pictures accurately, as those of the Old South who may read can tell, the affectionate and kindly relationship that existed between most of the planters and their slaves, but it also takes cognizance of those among owners and chattels, who were not of the best; it is not altogether a sweet picture, although for the greater part it is such. Mrs. Eppes instances several negroes who never lost their love for "the old place" and for their "own people," meaning by that phrase members of the families by whom they were once owned. Her narrative amply confutes any contention that negroes are ungrateful; they are not any more so than members of other races. There are numerous character sketches, many of them showing the humor-

ous side of negro life on and around old plantations, and one in particular cites the case of a butler in the household of "Miss Patsey," the wife of a planter. He went away after the emancipation of the slaves, becoming comparatively well off by pursuing the career of a caterer in a Southern city, but returned to see his former mistress and, finding her in reduced circumstances, offered to assist her generously. His kindly offer was declined, but "Miss Patsey" told him that she was not in need of anything and his evidence of gratitude for the training that he had received at her hands when he was a boy and that had fitted him for his chosen work was deeply appreciated. The entire book abounds in human interest and it will amply repay perusal.

Advantages of "Tracyflers" Shown.

"The Physical Side of Concentration in Boilers," a paper read by Roger W. Andrews before the National Electric Light Association, has been published in bulletin form by the Andrews-Bradshaw Company, manufacturers of the Tracy purifiers for oil vapor and steam, 530 Fourth avenue, Pittsburgh, Pa. It tells about the evils to result from priming and foaming of boilers, and then considers successively the concentration of impurities, impurities carried over with the steam, heat savings by decreased blow-down, results of actual tests and experiences, danger and expense due to carried over impurities, etc. It is noted in the bulletin that Tracyflers installed in boiler drums correct conditions set forth by Mr. Andrews. A long list of users of these devices is appended.

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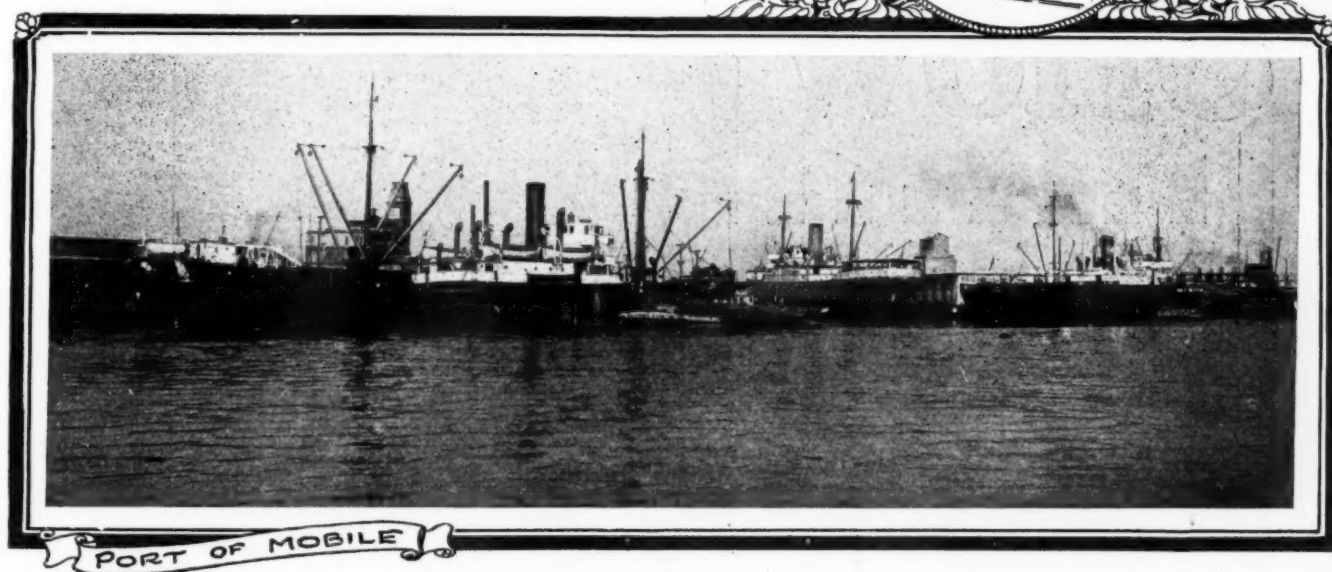
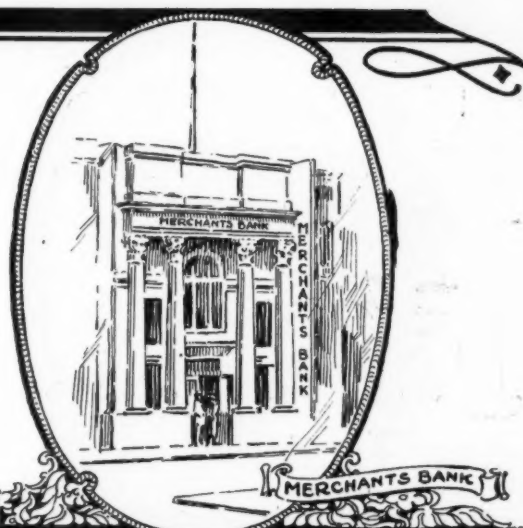
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PUBLIC SALE OF THE BOONE FORK MANUFACTURING COMPANY'S FLOORING PLANT MACHINERY AND LOTS ELIZABETHTON, TENNESSEE

In obedience to a decree of the United States District Court at Greenville, Tennessee, made in the case of Summers Hardware Company, et al. v. Boone Fork Manufacturing Company, as Special Commissioner, I will, on

THURSDAY, OCTOBER 22, 1925

at noon, offer for sale at public outcry, on the premises, in the Town of Elizabethton, fifteenth civil district of Carter County, Tennessee, and sell to the highest bidder, a certain flooring plant, machinery, and certain lots upon which same are situated, formerly known as the Elizabethton Flooring Company plant, and more fully described as follows:

REAL ESTATE: Including all the three parcels or tracts of land lying and being in the corporate limits of the town of Elizabethton, in 15th civil district of Carter County, Tennessee, the first and second tracts in fee simple forever, and the third described tract for all the residue of the term yet to come and unexpired therein, and more particularly described by metes and bounds as follows, that is to say:

Lot 1. Beginning at the south corner of the intersection of Johnson Avenue and Riverside Street, and running with the southwesternmost line of Riverside Street South 32 degrees East 378.4 feet to a stake 75 feet westerly from the C. E. Smith property; thence on a line 75 feet westerly from and parallel to the C. E. Smith line South 33 degrees West 181 feet to a stake; thence South 49 degrees 30 minutes East 75 feet to a stake in the C. E. Smith line; thence with his line South 33 degrees West 30 feet to the northeasternmost line of an old alley; thence with said line South 49 degrees 30 minutes East 5.5 ft. to a point opposite a concrete monument of the Watauga Extract Company; thence South 39 degrees 25 minutes West 12 feet to said monument; thence with the northeasternmost line of said Watauga Extract Company South 39 degrees 25 minutes West 102.5 feet to another concrete monument on the northeasternmost line of the right of way of Southern Railway spur track leading into the property of Watauga Extract Company; thence with said northeasternmost line of said right of way and 15 feet northeasterly from the center of said spur track North 52 degrees 30 minutes West 390 feet to the southeasternmost line of Johnson Avenue; thence with the said line of Johnson Avenue North 30 degrees East 466.3 feet to the point of beginning, containing 3.24 acres, more or less.

Lot 2. Beginning at a point in the southeasternmost line of Johnson Avenue 30 feet in a southwesterly direction from the center line of the Southern Railway spur track leading into the Watauga Extract Company's property and running parallel with said spur South 52 degrees 30 minutes East 141 feet to a stake in the southwesternmost line of the right of way of Laurel Fork Railway Company; thence following the curvature of the Laurel Fork R. R. track and 15 feet from the center thereof, in a southwesterly direction 409.5 feet to a stake on the northeasternmost line of Watauga Extract Company property; thence with line of Watauga Extract Company South 51 degrees 45 minutes West 20.1 feet to the northeasternmost line of the right of way of the East Tennessee and Western North Carolina Railroad; thence with said line North 46 degrees West 242.9 feet to a planted iron rail on line of aforesaid right of way; thence with said right of way North 8 degrees 45 minutes East 53.5 feet to a planted iron rail; thence with said right of way crossing the said East Tennessee and Western North Carolina Railroad spur-track leading into Elizabethton Flooring Company's property North 46 degrees West 96 feet to a stake; thence in a northerly direction with the curvature of said spur-track and 10 feet westerly from the center line thereof 144 feet to a stake in the southeasternmost line of Johnson Avenue; thence with said line North 30 degrees East 73 feet to the point of beginning; and containing 1.48 acres, more or less.

Lot 3. Beginning at a point distant South 32 degrees East 378.4 feet from the corner formed by the intersection of the southwesternmost side of Riverside Street and the southeasternmost side of Johnson Avenue, said point of beginning being 75 feet more or less northwesterly from the northwesternmost line of the C. E. Smith property; thence South 33 degrees West 181 feet; thence South 49 degrees 30 minutes East 75 feet to the aforesaid northwestern line of the C. E. Smith property, thence northeasterly binding on the aforesaid line of the C. E. Smith property, and parallel to the first line of this description, North 33 degrees East 181 feet more or less to the southwesternmost side of Riverside Street, thence in a northwesterly direction by a curved line and binding on the aforesaid side of Riverside Street 75 feet more or less to the place of beginning. Being the same lot or parcel of ground which was leased by W. T. Johnson and wife unto the Elizabethton Flooring Company for a term of five (5) years by lease dated October 15, 1919, and registered in Deed Book No. 54, folio 155, one of the records of the Register's Office for Carter County, State of Tennessee, to which lease reference is hereby had and made.

For further information or description reference is here made to the conveyance made by the Elizabethton Flooring Company to the Boone Fork Manufacturing Company, by deed dated July 30, 1921, and recorded in the Register's Office of said Carter County in Book 60, page 160.

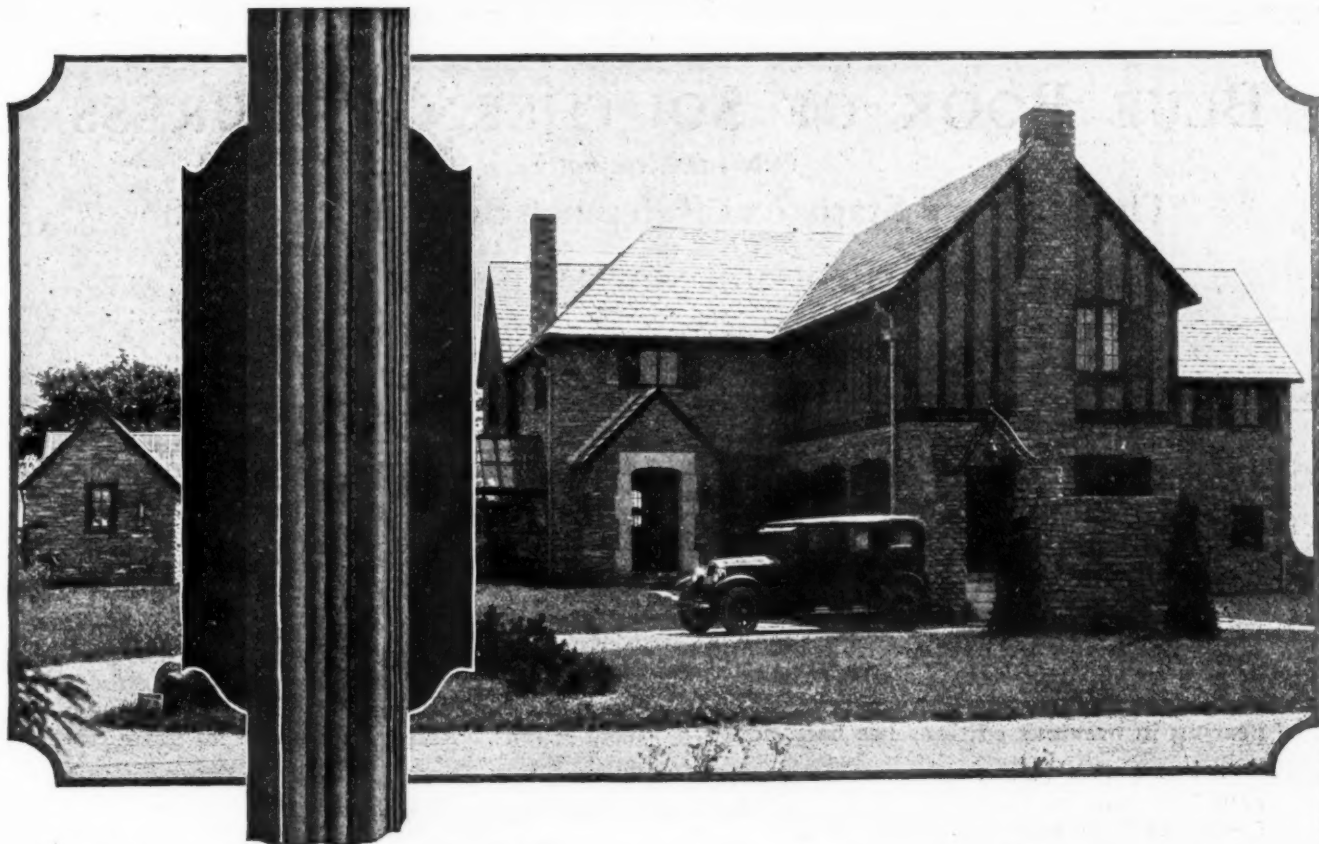
Said Elizabethton Flooring Company plant, now the property of the Boone Fork Manufacturing Company, located on said lots, is a fully equipped flooring plant with a saw-dust unit containing such machinery as is usually used in such plant including saws of various kinds, matchers, flooring machines, table conveyors, surfacers, electric motors, crushers, pulverizers, grinders, conveyors, etc. A detailed list will be furnished on application.

Said sale will be made on a credit of six, twelve, eighteen and twenty-four months, and in bar of the right of redemption. For the purchase money payments interest-bearing notes will be taken from the purchaser with good security, either personal or such other security as shall be approved by me; and in addition a lien upon the property and premises sold will be retained as further security for their payment. The purchaser will be further required to take proper insurance upon said property for the further security of the purchase price and deposit same with the Clerk of the Court pending payment of the purchase price. Interest on the notes for 18 and 24 months shall be paid annually until the same are satisfied.

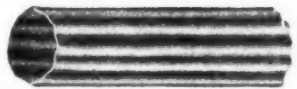
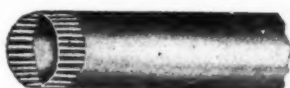
The upset or minimum price of sale to be accepted by the Special Commissioner is fixed by the Court at the sum of Fifty Thousand (\$50,000) dollars.

September 19, 1925.

HUGH G. KYLE
Special Commissioner.
ROGERSVILLE, TENN.



Where rust attack means repeated expense *Put Lead*—for permanence



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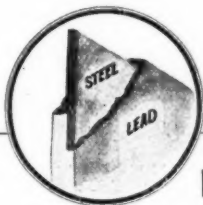
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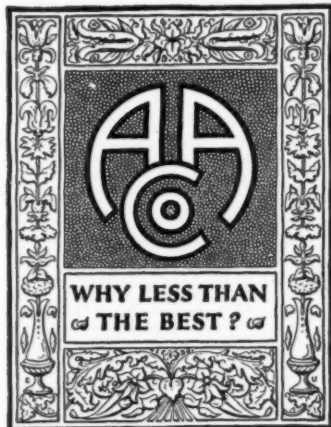
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surance"



BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



PROPOSALS

Bids close October 23, 1925.

U. S. ENGINEER OFFICE, Jacksonville, Fla.—Sealed proposals for constructing and delivering a steel derrick boat for the dredge BARNARD will be received here until 12 o'clock noon October 23, 1925, and then opened. Information on application.

Bids close October 9, 1925.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., Sept. 18, 1925.—SEALED PROPOSALS will be opened in this office at 3 P. M. October 9, 1925, for extension and remodeling of roadways, including all incidental changes and repairs at the U. S. Marine Hospital, Baltimore, Md. Drawings and specifications may be obtained from the Medical Officer in Charge of the U. S. Marine Hospital at Baltimore, Maryland, or at this office in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

Bids close October 28, 1925.

\$180,000 Town of Holly Hill (Florida) 6% Bonds

SEALED PROPOSALS will be received by the undersigned Board of Public Works of the Town of Holly Hill, Florida, at 2 o'clock P. M. on Wednesday,

OCTOBER 28, 1925, for the following issues of bonds of said town:

\$70,000 "Holly Hill Water Works Distribution System Bonds of 1925," dated July 1, 1925. Due \$2000 each year, 1930-1934, inclusive, and \$3000 each year, 1935-1954, inclusive. Interest payable semi-annually on January 1 and July 1 of each year at six per cent (6%) per annum. Denomination \$1000 each.

\$110,000 "Holly Hill Paving and Drainage Bonds of 1925," dated July 1, 1925. Due \$4000 each year, 1930-1944, inclusive, and \$5000 each year, 1945-1954, inclusive. Interest payable semi-annually on January 1 and July 1 of each year at six per cent (6%) per annum. Denomination \$1000 each.

All of said issues of bonds have been validated by decree of the Circuit Court of the Seventh Judicial Circuit of the State of Florida, in and for Volusia County.

Bidders must bid on each of the above issues separately.

Both principal and interest on all said issues payable at the American Bank & Trust Company, Daytona, Florida, or at the National Bank of Commerce of the City of New York, State of New York, at the option of the holder thereof.

Each proposal must be accompanied by cash or certified check from an incorporated bank or trust company located in the State of Florida, payable to the order of Dean T. Smith, Chairman of the Board of Public Works, for one per cent of the par value of the bonds bid for. The check of the successful bidder to be retained by the town as security for the completion of the contract of sale by the purchaser, and checks of all unsuccessful bidders to be forthwith returned.

These authorized issues of bonds to be sold subject to the approval of John C. Thomson of New York City, New York, to be furnished by the Town of Holly Hill, Florida.

The right to reject any and all bids is hereby reserved.

It is requested that no bids be made except on the form provided by the Board of Public Works of the Town of Holly Hill, which form will be supplied by the undersigned upon request.

For further information address the undersigned Town Clerk.

BOARD OF PUBLIC WORKS OF THE
TOWN OF HOLLY HILL.
DEAN T. SMITH.
L. S. GRABE.
JACOB SCHMALL.

Attest:
FRANK MURPHY, Town Clerk.

RATE: 35 cents per line per insertion.

PUBLICATION DAY: Thursday.

FORMS CLOSE: 4 P. M. Monday.

DAY LETTER: When too late to send copy by mail to reach us by 4 P. M. Monday, forward by day letter.

THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:

Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close October 15, 1925.

\$20,000 5% Road Bonds

Warrenton, N. C.

S. M. Gardner, Register of Deeds, Warrenton, N. C., will receive sealed bids until October 15 at 10 A. M., for 5% semi-annual Township Road Bonds to the amount of \$20,000, denominations \$1000. Enclose certified check for \$500, evidence of good faith.

Bids close October 12, 1925.

Reconstruction of Viaduct

OFFICE OF THE CITY MANAGER.

Lynchburg, Va.

1. Sealed proposals will be received at the office of the City Manager, Lynchburg, Virginia, at the Municipal Building until 10 A. M. Eastern Standard Time on Monday, October 12, 1925, and publicly opened and read as soon as possible after 10 A. M. of the same day, for the TRANSFORMATION OF A WROUGHT IRON VIADUCT INTO A REINFORCED CONCRETE STRUCTURE, the same known as RIVERMONT VIADUCT, across the valley of the Blackwater Creek, within the City of Lynchburg, Virginia, involving among other quantities approximately:

14,000 cubic yards Class A reinforced concrete (1:2:4).

1800 cubic yards Class B reinforced concrete (1:3:6).

1,120,000 lbs. reinforcing steel.

2. Plans and specifications of the said Viaduct are on file in the offices of

E. A. Beck, City Manager, Municipal Building, Lynchburg, Virginia; also

Allen J. Saville, C. E., Virginia Railway & Power Building, Richmond, Virginia.

Alfredo C. Janni, C. E., 809 Park Row Building, New York, N. Y.,

where they may be examined: Copies of plans, specifications, etc., may be obtained by making a deposit of Thirty Dollars (\$30). Such plans and specifications must be returned within ten (10) days after the awarding of the contract, whereupon a refund of Twenty-two Dollars (\$22) will be made.

3. Every proposal to be accompanied by a cash deposit or certified check, drawn upon a National or State bank, payable without restriction to the City of Lynchburg, Virginia, for the sum of Twenty-five Thousand Dollars (\$25,000). Such deposit, except that of the successful bidder, will be returned to the depositor on the award of the contract.

4. The performance bond required will be for the full amount of the estimated cost according to contract prices submitted.

5. Upon application at the Municipal Building, Lynchburg, Va., an Engineer will be available at the site any day of the week until the close of bids.

6. The City of Lynchburg, Va., reserves the right to reject any and all bids, or to accept the bid which, in its opinion, is for the best interests of the City.

E. A. BECK,

City Manager, Lynchburg, Va.

Bids close October 10, 1925.

U. S. ENGINEER OFFICE, Florence, Ala. Sealed proposals will be received here until 11 A. M. October 10, 1925, and then opened, for furnishing all materials and installing air pressure pipe system for the navigation lock of Wilson Dam. Further information on application.

Bids close October 19, 1925.

Bridge

Tavares, Fla.

Sealed proposals will be received by the Board of County Commissioners of Lake County, Florida, at the office of the County Clerk at the Courthouse, Tavares, Florida, until 1 o'clock P. M. on the 19th day of October, 1925, and opened and read immediately thereafter, for the construction of a steel drawbridge, with concrete pivot pier, and crossot pile trestle approaches and rest piers, and fender protection for the pivot and rest piers, across Little Lake Harris at Howey, Florida. Special Road and Bridge District No. 8.

Bids will be received on the project as a whole, or separate bids for the steel draw span complete and for the trestle approaches.

Plans and specifications may be examined at the office of the County Engineer in the Courthouse at Tavares, Florida, or may be obtained from him for the sum of \$5.00.

Draw span 90 feet center to center and shoes. Trestle approaches 7800 lin. ft.

Each proposal must be accompanied by a certified check in the sum of five thousand dollars (\$5000), payable to the County Clerk of Lake County, Florida.

The right is reserved by the Board of County Commissioners to reject any or all proposals, or to award the contract as a whole or in separate units as considered to be the best interest of the county.

M. V. SIMPSON,

Chairman Board of Commissioners.

T. C. SMYTH, County Clerk.

G. S. MICKLE, County Engineer.

Bids close October 27, 1925.

Bridges

Sealed proposals will be received until 12 noon Tuesday, October 27, 1925, at the office of the SHORELAND COMPANY, 125-127 East Flagler street, Miami, Florida, for the construction of two Reinforced Concrete Bridges and one double-leaf bascule drawbridge, with a total length of two thousand feet, across the north end of Biscayne Bay, Dade County, Florida, and known as the bridge section of the MIAMI SHORES CAUSEWAY.

Plans and specifications may be seen at the office of the Engineering News Record after October 1, or obtained from the Consulting Engineer for the sum of \$25, \$15 of which will be refunded upon the return of the same in good condition.

Bids may be submitted upon either or both Concrete Bridges, or upon the drawbridge alone or upon the entire work.

Payments will be made in cash upon the tenth of each month for eighty per cent of the value of the work done during the preceding calendar month upon certificate of the Engineer.

All bids must be accompanied by a certified check or bidder's bond, made payable to the SHORELAND COMPANY, for an amount equal to two (2%) per cent of the amount of bid.

The SHORELAND COMPANY reserves the right to reject any and all bids, to accept any part of any bid, to waive all formalities, or to accept the bid which it deems the most favorable to the interests of the SHORELAND COMPANY.

SHORELAND COMPANY.

HUGH M. ANDERSON, President.

F. K. ASHWORTH, Chief Engineer.

HARVEY STANLEY, Consulting Engineer,
105 Northeast Second Avenue,
Miami, Florida.

Bids close October 13, 1925.

Highway Construction

**DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION
NOTICE TO CONTRACTORS**

Baltimore, Md.

SEALED PROPOSALS for building one section of State Highway as follows: Cecil County, Cont. Ce-54—One section of State Highway through North East from the end of Cont. Ce-37 ext. to the Town Limits for a distance of 0.19 miles. (Concrete.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 13th day of October, 1925, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 1st day of October, 1925.

JOHN N. MACKALL, Chairman.

L. H. STEUART, Secretary.

Bids close October 19, 1925.

Paving and Sewers**OFFICE OF CITY AUDITOR AND CLERK.**

St. Augustine, Fla., Oct. 19, 1925.

Sealed proposals will be received at this office up to 3 o'clock P. M. of Monday, October 19, 1925, for constructing all or any part of the proposed improvements in Coquina Gables, which is located in the City of St. Augustine, St. John's County, Florida.

The various improvements to be constructed are:

- 25.86 Acres Clearing and Grubbing.
- 42,645.2 Cubic Yards Excavation.
- 45,634.3 Square Yards Concrete Pavement, 16, 18 and 20 feet wide.
- 45,634.3 Square Yards Surface Treatment.
- 200 Lin. Ft. 10-in. Concrete Sewer Pipe.
- 2,700 Lin. Ft. 12-in. Concrete Sewer Pipe.
- 1,250 Lin. Ft. 18-in. Concrete Sewer Pipe.
- 1,750 Lin. Ft. 24-in. Concrete Sewer Pipe.
- 10 Manholes totaling 61 vertical feet.
- 20 Catch Basins, four (4) feet deep.

(Catch Basin and Manhole Covers and Frames to be purchased from the City of St. Augustine.)

All work to be done in accordance with the plans and attached instructions, general provisions, special provisions, proposal, contract and specifications.

Proposals may be made for the construction of all or part of the total work as designated and specified in the plans and specifications. Provided, however, that the City Commission of the City of St. Augustine, Florida, reserve the right to accept bids for the construction of all or any part of said work, as the best interest of the City of St. Augustine may appear.

A certified check or a bidder's bond executed on the attached form in the sum of five per cent (5%) of bid, and made payable to the City of St. Augustine, Florida, must accompany each proposal.

Plans and specifications are on file and may be examined at this office and at the office of Peter Kendrick Engineering Company, and may be secured on application to the office of Peter Kendrick Engineering Company for the sum of Ten (\$10.00) Dollars. The right is reserved to reject any or all bids.

C. G. OLDFATHER,
City Auditor and Clerk.

Bids close October 21, 1925.

Sidewalks

Auburndale, Fla.

Sealed proposals on blank form furnished by the city and addressed to "The Mayor and Council, Auburndale, Florida," for the furnishing of all material, labor and equipment and doing the following work:

Approximately One Hundred Thousand Square Feet of Sidewalk.

Each bid must be accompanied by a certified check, made payable to the Mayor, for not less than Four Thousand Dollars.

The right is reserved to reject any or all bids.

Plans and specifications can be seen at the office of the City Clerk, Auburndale, Florida, or at the office of the Engineer, J. J. Stringfellow, Lakeland, Florida. Specifications can be obtained from the Engineer.

E. K. ANDERSON, Mayor.

W. B. BREWER, Clerk.

J. J. STRINGFELLOW, Engineer.

Bids close October 21, 1925.

Street Paving

Auburndale, Fla.

Sealed proposals on blank forms, furnished by the city and addressed to "The Mayor and Board of Councilmen, Auburndale, Florida," will be received until 2 o'clock P. M. October 21, 1925, at Auburndale, Florida, for furnishing all material, labor and equipment and doing the following work:

Approximately 65,000 square yards of street paving, with all necessary drainage and curb as specified.

Each bid must be accompanied by a certified check, made payable to the Mayor, for not less than Ten Thousand Dollars.

The right is reserved to reject any or all bids.

Plans can be seen at the office of J. J. Stringfellow, Lakeland, Florida, or at the office of the City Clerk in Auburndale, Florida, and specifications can be obtained from the Engineer.

E. K. ANDERSON, Mayor.

W. B. BREWER, Clerk.

J. J. STRINGFELLOW,
Consulting Engineer.

Bids close October 26, 1925.

Street Improvements

Sebring, Fla.

Sealed proposals will be received by the Mayor and Town Council of the Town of Sebring, Florida, at the Town Hall in Sebring, Florida, until 1 P. M. o'clock on the 26th day of October, 1925, and then opened and read in public, for furnishing all labor, materials, equipment and other things necessary for the construction of street paving and necessary appurtenances thereto.

The work will consist of the following approximate quantities:

- 84.3 Acres Clearing and Grubbing
- 265,100 Cu. Yds. Excavation.
- 147,000 Sq. Yds. 6" Base, Ocala Limestone, Crystal River or Bartow Clay.
- 147,000 Sq. Yds. Double Bituminous Surface Treatment.
- 40 Catch Basins.
- 5580 Lin. Ft. 15" D. S. V. or Concrete Pipe.
- 3915 Lin. Ft. 18" D. S. V. or Concrete Pipe.
- 3300 Lin. Ft. 24" D. S. V. or Concrete Pipe.

Proposal must be submitted on regular forms accompanying the specifications, and must be accompanied by a certified check or bidding bond for the amount of not less than five per cent of the amount bid, drawn to the order of the Town of Sebring.

Plans and specifications on file in the office of the Town Clerk may be examined there by prospective bidders. Copies of specifications and proposal blanks may be had upon application to the Engineer for twenty-five dollars per set. Consideration will be given bidders' experience in this class of work, financial standing, and reputation for having done successful work without controversy or litigation, and the Council reserves the right to reject any or all proposals or to accept or reject any part thereof or to waive technicalities as they may deem best for the interest of the Town.

A. E. LAWRENCE, Mayor.

A. M. WOLFE, Clerk.

JOE W. HAWKINS, Engineer,
Sebring, Fla.

Bids close October 19, 1925.

Street Improvements

Clearwater, Fla.

Sealed bids will be received at the City Manager's office, Clearwater, Florida, up to 7.30 P. M. October 19, 1925, for street improvements in Hill Crest No. 2 Subdivision in the said city as follows:

Approx. 19,000 sq. yds. paving.
Approx. 19,000 sq. yds. 6-in. Florida Lime Rock Base.

Approx. 13,300 lin. ft. Curb and Gutter.
Approx. 8650 sq. yds. Sidewalk.

Approx. 7150 lin. ft. 6-in. and 8-in. Sanitary Sewers.
with necessary storm sewers, inlets, manholes, etc.

Certified check or bid bond for \$3500 must accompany each bid. Specifications may be obtained at the City Manager's office upon payment of \$5.00, which will be returned to bona fide bidders.

The city reserves the right to vary the above amounts and to reject any or all bids.
CHAS. F. MASON, City Manager.

Bids close October 23, 1925.

Street Paving

Auburndale, Fla.

Sealed proposals on blank forms, furnished by the town and addressed to "The Mayor and Board of Councilmen, Auburndale, Florida," will be received until 2 O'CLOCK P. M. OCTOBER 23RD, 1925, at Auburndale, Florida, for furnishing all material, labor and equipment and doing the following work:

Approximately FIFTY THOUSAND (50,000) SQUARE YARDS of street paving, with all necessary excavation, drainage and curb as specified.

Each bid must be accompanied by a certified check, made payable to the Mayor, for not less than FIVE THOUSAND DOLLARS (\$5000.00).

The right is reserved to reject any or all bids.

Plans can be seen at the office of G. D. and H. D. Mendenhall, Lakeland, Florida, or at the office of the Town Clerk, in Auburndale, Florida, and specifications can be obtained from the Engineer.

E. K. ANDERSON, Mayor.

W. B. BREWER, Clerk.

G. D. & H. D. MENDENHALL,
Consulting Engineers.

Bids close October 16, 1925.

Highway Paving

Wilson, N. C.

The Highway Commission of Wilson County, Wilson, N. C. will receive sealed proposals until one-thirty (1.30) o'clock P. M. Eastern Standard Time, Friday October 16th, 1925, for the following highway work:

Paving 9.15 miles of road 16' wide from State Highway Route No. 91 through Stantonburg, N. C., to Ruffin's Bridge, requiring the following approximate quantities:

- 86,262 sq. yds. concrete, asphalt or other type of pavement.
- 44,700 cu. yds. common excavation.
- 1,000 cu. yds. ditch excavation.
- 1.0 acres clearing.
- 1.0 acres grubbing.

All pipes, headwalls, culverts and bridges will be built by County forces.

Proposals must be submitted on blank forms furnished by the Commission. Proposals must be addressed to "The Highway Commission of Wilson County," Wilson, N. C., and marked on the outside "Proposal on Stantonburg Road."

Each proposal must be accompanied by a certified check for an amount equal to 5% of the amount bid in the proposal, said check to be made payable to T. M. Washington, Chairman.

Copies of road plans and specifications are on file and may be inspected at the office of the Engineer in Wilson, N. C. Interested parties may secure copies of plans and specifications by depositing the sum of \$5 with the Commission, one-half of which deposit will be returned upon return of the plans in good condition as set forth in the specifications.

The Commission reserves the right to reject any or all bids or to accept any bid which it may deem to be to the best interest of the County of Wilson.

T. M. WASHINGTON Chairman.

ERNEST DEANS, Secretary.

H. W. RANKIN, Engineer.

Bids close October 21, 1925.

Water-Works Improvements

Bushnell, Fla.

Sealed proposals addressed to the Mayor and Town Council, Bushnell, Fla., and marked "Sealed Proposal" will be received until 7.00 P. M. October 21, 1925, to be opened immediately thereafter, for furnishing material, equipment and labor, and constructing certain work approximately as follows:

Erected complete on foundations of City of Bushnell, Fla.,

- 1 75,000-gallon Steel Tank and Tower.
- 2 500-gallon per minute Pumps—
 - 1 Electrically driven.
 - 1 Gasoline Engine driven.
- 3,800 lin. ft. 8-inch Cast Iron Pipe.
- 15,000 lin. ft. 6-inch Cast Iron Pipe.
- 9 tons Special Castings.
- 50 Fire Hydrants.
- 13 8-inch Gate Valves and Boxes.
- 20 6-inch Gate Valves and Boxes.
- 1 Pumping Station Building.
- Pumping Station Piping.
- 1 10-inch Well
- or
- 2 8-inch Wells.

Each bid is to be on blank forms furnished by the Clerk, and is to be accompanied by a certified check, or bid bond issued through a local agency, by a bonding company qualified to do business in the State, made payable to the City of Bushnell for \$2,000, or for 5 per cent of bid on any portion less than the whole.

Certified check or bid bond will be forfeited as liquidated damage if contract and bond are not executed within the time specified. If proposal is accepted, otherwise will be returned within ten days.

The right is reserved to reject any and all bids.

Plans and specifications may be seen at the office of the Clerk and the offices of the Engineers, and specifications may be obtained from the Clerk upon payment of \$2 to cover cost of reproduction.

C. B. ALLEN, Clerk.

E. V. CAMP AND ASSOCIATES, INC.,
Consulting, Supervising and Testing
Engineers, Atlanta, Ga.,
Bartow, Fla., Jacksonville, Fla.

Bids close October 27, 1925.

Water-Works System

Sealed proposals will be received by the Town of Maitland, Florida, at the Town Hall, for furnishing all materials and labor to construct a water works system for the Town of Maitland until 8 P. M. October 27, 1925, at which time they will be opened and read publicly.

The principal items of work are approximately as follows:

- 2353 Feet 8-inch Cast-Iron Pipe.
- 7560 Feet 6-inch Cast-Iron Pipe.
- CAST-IRON SPECIALS.
- 5850 Feet 1½-inch Galvanized Pipe.
- 17 Standard Fire Hydrants.
- 1 Set Hydrant and Valve Wrenches.
- 5 8-inch Gate Valves.
- 7 6-inch Gate Valves.
- 10 1½-inch Gate Valves.
- 22 Valve Boxes.
- Pump House.
- 75 G. P. M. Motor Driven Deep Well Pump.
- 75,000 Gallon Steel Tank on 100-ft. Tower.
- Pipe Connections.
- Electrical Connections.
- Foundations.
- Setting Machinery.
- 8 Inch Deep Well (about 300 ft. deep).

Each bid for construction must be accompanied by a certified check on a bank satisfactory to the town, or a bidder's bond acceptable to the town for five (5%) per cent of the amount bid, drawn to the order of the Town of Maitland, Florida.

All bids must be compared on the basis of the Engineers' estimate of the work to be done.

Copies of specifications may be obtained from the Engineers or the Town Clerk upon receipt of deposit of \$5.00, which will be returned to bona fide bidders.

Plans may be seen at the office of the Engineers or at the office of the Town Clerk, or may be secured from the Engineers upon payment of \$10.00.

The right is reserved to reject any or all bids, and the contract may be awarded as a whole or in part to any one or more bidders as considered to the best interest of the town.

TOWN OF MAITLAND, FLORIDA.

J. A. BROWN, Mayor.

S. B. HILL, JR., Clerk.

J. B. McCRARY ENGINEERING CORPORATION, Engineers.
Atlanta, Georgia; Orlando, Florida.

Bids close October 27, 1925.

Water-Works Improvements

Dania, Fla.

Sealed proposals will be received by the Mayor and Board of Aldermen of the Town of Dania, Florida, until 8 P. M. Tuesday, October 27, 1925, for the furnishing and installing of one driven well, one low-lift and two service motor-driven horizontal centrifugal pumps of about 800 G. P. M. capacity each, a 150,000-gallon masonry storage reservoir, a masonry pumping station, approximately 8600 ft. of 6-inch pipe, 3600 ft. of 8-inch and 132 ft. of 10-inch, together with necessary fittings, hydrants and valves and all requisite accessories, in accordance with plans and specifications on file at the Town Hall, where the bids will be received and publicly opened and read.

Complete plans and pamphlet documents are procurable from the Engineers by depositing \$20.00, or either the plans or the pamphlet for \$10.00, at least one-half of which deposits are refundable to bona fide bidders and one-fourth to non-bidders, on demand upon the prompt return of the instruments in good condition, requests for the instruments to be accompanied by statement as to the portions of the work in which the bidder is interested.

The right is reserved to reject any and all bids.

H. T. TUBBS, Mayor.

R. W. WILKINSON, Town Clerk.

MAIN ENGINEERING CO., Engineers,
Daytona, Fla.

Bids close October 27, 1925.

Water Supply and Sewer System

Spindale, N. C., September 23, 1925.

Sealed proposals will be received by the Mayor and Board of Commissioners at Spindale, North Carolina, until eleven o'clock A. M. on the 27th day of October, 1925, at the office of the City Clerk, at which time all proposals will be publicly opened and read, for furnishing materials, labor, tools and equipment to complete such contracts as may be entered into for the construction of Water Supply and Sewerage System Improvements, consisting of the following:

- 20,000 lineal feet 8" Sewer Pipe.
- 63 Manholes.
- 1 Septic Tank.
- 5,000 lineal feet 8" Cast Iron Pipe.
- 500 lineal feet 6" Cast Iron Pipe.
- Complete in place.

Plans and specifications will be on file at the office of the City Clerk, Spindale, North Carolina, and at the office of the Engineers, and will be mailed upon application accompanied by a check for \$10, which will be returned to bona fide bidders.

Each bid must be accompanied by a certified check to the amount of 5% of the bid, and not less than \$250, payable to the Treasurer of Spindale, North Carolina, without recourse.

All bids must be placed in a sealed envelope endorsed on the outside "PROPOSAL FOR WATER SUPPLY AND SEWERAGE SYSTEM IMPROVEMENTS." The City prefers to let the entire work in one contract, but reserves the right to waive technicalities and let the work in parts to separate bidders for labor and materials, or let such parts of the work as is considered to the best interest of the City, and reserves the right to reject any and all bids.

Contractors are cautioned to examine the plans and specifications thoroughly, form of contract, bond and conditions under which the work will be done before bidding.

By order of the Board.

S. E. ELMORE, Mayor.

H. A. BIGGERSTAFF, City Clerk.

Engineers:
G. H. BISHOP, Consulting Engineer,
THE CAROLINA ENGINEERING CO.,
917 Johnston Building,
Charlotte, North Carolina.

Bids close November 2, 1925.

Sewer and Water Distribution Systems

Wauchula, Fla.

Sealed proposals for furnishing materials and labor for the construction of a system of sanitary sewers and a water distribution system will be received until 2 o'clock P. M. November 2, 1925, by the Board of Bond Trustees of the City of Wauchula, Florida. Proposals shall be enclosed in a sealed envelope and marked on the outside the nature of the bid.

The contemplated construction program embraces the following approximate quantities:

- 46,926 Lineal feet of sanitary sewers, 8 to 15 inch, clay or concrete pipe, with 7000 lineal feet of 6-inch house connections.
- 105 Manholes.
- 22 Automatic Flush Tanks.
- 26 Cubic yards Reinforced Concrete for Septic Tank.
- 36,446 Lineal feet cast iron water mains, 4 to 8 inch, with necessary specials.
- 75 Valves, 4 to 8 inch.
- 64 Hydrants.

Each proposal must be accompanied by a certified check drawn to the order of the Chairman, Board of Bond Trustees, for not less than 5 per cent of the amount bid.

Plans and specifications may be seen at the office of the Engineer or may be secured upon a payment of \$10.00, or a set of specifications for \$5.00. (Which will not be refunded.)

Bids may be filed on one or more of the four sections and the right is reserved by the Board to reject any or all proposals or bids or to accept any proposal or bid or to waive technicalities as they deem best for the interest of the city.

By order of the Board of Bond Trustees, City of Wauchula, Florida.

GEORGE S. WILLIAMS, Chairman.
J. G. KIMMEL, Consulting Engineer.
W. N. TONKIN, Engineer in Charge.

Bids close October 19, 1925.

Library Building

Birmingham Ala.

The Library Board of the City of Birmingham, Alabama, invites bids for the erection of a Library Building, to be erected on lot on Seventh Avenue, North, between Twenty-first Street and East Twentieth Street. Plans and specifications of General Contract may be obtained at Architects' Office on or after September 16th, 1925, on deposit of check for \$25. Plans and specifications of Plumbing, Heating and Ventilating and Electric Wiring may be obtained on or after September 23rd, 1925, on deposit of check for \$10.

Bids to be delivered on or before 2 P. M. October 19th, 1925, addressed to Secretary Library Board, at Old Post Office Building, Birmingham, Alabama. The Board reserves the right to reject any or all bids. Miller & Martin, Architects, Birmingham, Ala.

Bids close October 26, 1925.

City Hall Building

Sealed proposals will be received by the City Commissioners of the City of Leesburg, Florida, at the City Hall, Leesburg, Fla., until 7.30 P. M. Monday, October 26, 1925, for furnishing all materials and labor necessary for the erection and completion of a City Hall building, in accordance with plans and specifications prepared for same by Alan J. MacDonough, Architect, Leesburg, Florida.

All bids must be accompanied by a certified check in the sum of \$1000, made payable to the City of Leesburg, Florida, to guarantee the execution of a contract and surety bond, said bond to be in a sum equal to 50 per cent of the amount of the contract. The City of Leesburg reserves the right to reject any and all bids.

Plans and specifications may be obtained from the Architect upon deposit of \$25, which will be refunded upon the return of the same in good condition and if bona fide bid is submitted.

CITY OF LEESBURG, FLORIDA.

W. A. MACKENZIE,

Mayor Commissioner.

Attest:

W. E. HARKNESS, City Clerk.

ALAN J. MACDONOUGH, Architect,
Leesburg, Fla.

Bids close October 26, 1925.

Courthouse Annex

The Court of County Revenues of Dallas County, Alabama, will receive bids for the construction of an annex to the court house of Dallas County on the 26th day of October, 1925, at 10 o'clock A. M., at the office of the Probate Judge of said county. Plans and specifications are on file in the office of the Probate Judge of Dallas County, at Selma, Ala., and also in the office of Frank Lockwood, architect, Montgomery, Alabama. The right to reject any and all bids is reserved.

COURT OF COUNTY REVENUES,
Selma, Alabama.

By Watkins M. Vaughan, Probate Judge.

Bids close October 28, 1925.

Water Softening and Purification Plant

Fort Pierce, Fla., Sept. 20, 1925.

The Mayor and Board of City Commissioners of Fort Pierce, Florida, will receive sealed proposals until 7 o'clock P. M. on the 28th day of October, 1925, at the office of the City Manager at Fort Pierce, Florida, at which time all proposals will be publicly opened and read, for furnishing materials, labor, tools and equipment to complete such contracts as may be entered into for the construction of Water Softening and Purification Plant in said city according to the plans and specifications prepared by the Engineers, and now on file at their office and at the office of the City Manager.

Each bid must be accompanied with a certified check to the amount of five per cent of the bid and not less than \$250, payable to the Treasurer of Fort Pierce, Fla., without recourse.

All bids must be on blanks provided, a copy of which is bound with these specifications and placed in a sealed envelope, endorsed on the outside "PROPOSAL FOR WATER SOFTENING AND PURIFICATION PLANT." The city prefers to let the entire work in one contract, but reserves the right to waive technicalities and let the work in parts to separate bidders for labor and materials, or let such parts of the work as is considered to the best interest of the city, and reserves the right to reject any or all bids.

Contractors are cautioned to examine the plans and specifications thoroughly, form of contract, bond and conditions under which the work will be done before bidding.

C. E. CAHOW, Mayor.

W. AUSTIN SMITH, City Manager.

ENGINEERS:

AMERICAN INDUSTRIES ENGINEERING COMPANY, 140 Cedar street, New York City; 917 Johnston Building, Charlotte, North Carolina.
THE BISHOP ENGINEERING COMPANY, Associates, 116 South Orange Avenue, Orlando, Florida.

Bids close October 20, 1925.

High School Building

Augusta, Ga.

Sealed proposals will be received until noon Tuesday, October 20th, at Augusta, Georgia, by the Academy Building Commission, J. G. Belding, chairman, for a high school building. Proposals will be received from reputable general contractors only and must be accompanied by a certified check for \$3,000. The owner reserves the right to reject any or all bids. Plans may be obtained from Scroggs & Ewing, architects, upon deposit of cash or certified check for \$25, which will be refunded when plans are returned.

Bids close October 28, 1925.

450-Horsepower Boiler

Gainesville, Fla.

Sealed proposals will be received by the City Council of the City of Gainesville, Florida, until 8 o'clock October 28, 1925, for one 450 Horsepower Boiler.

The right is reserved to reject any and all bids.

G. H. CAIRNS, City Manager.

Bids close November 23, 1925.

Electric Light, Power and Water-Works Franchise

The City of New Iberia, Louisiana, will receive bids up to Monday, November 23, 1925, at 4 P. M. for the leasing of a franchise for a period of twenty-five (25) years for the operation of electric light, power and water-works plants in said city, and for the purchase of all of the properties now used in connection with the municipal plants of the characters designated, which are presently owned and operated by the city. The city reserves the right to reject any and all bids, and the acceptance of any bid is subject to the approval of the qualified taxpayers of the City of New Iberia expressed through a referendum election. Each bid must be accompanied by a certified check of Ten Thousand Dollars (\$10,000), which shall be held by the City of New Iberia as a forfeit in the event that the bid accepted and approved by a referendum vote is not complied with under the terms thereof.

All bidders are requested to obtain from the City Clerk a questionnaire to be answered categorically and to form part of the bid.

All bidders are referred to the resolution of the Mayor and Board of Trustees of the City of New Iberia adopted Monday, September 28, 1925, on the subject matter, and all bids must be subject to the recitals, conditions and provisions of said resolution.

ED. LASALLE, Mayor.

CITY OF NEW IBERIA, LA.

C. DUDLEY LEMAIRE, City Clerk.

Bids close October 20, 1925.

Fuel-Oil Engine and Pumps.

Culpeper, Va.

Bids are invited until noon of Tuesday, October 20, 1925, on furnishing all necessary materials, appliances, machinery and labor, and in installing and testing certain improvements at the municipal pumping station for the Town of Culpeper, Virginia.

The said improvements will include a 1,000,000 g. p. d. high-service pump, a 1,000,000 g. p. d. low-service pump, both to be actuated by a semi-Diesel or full Diesel fuel-oil engine, together with the connecting mechanism, pipe lines, changes, etc., with all accessories and appurtenances.

Alternate bids will be considered on the following:

Plan "A"—A fuel-oil engine with high-service triplex pump and low-service centrifugal pump.

Plan "B"—A fuel-oil engine with high-service centrifugal pump and low-service centrifugal pump.

Under each of the above plans the machinery would be required to operate under two separate and distinct conditions, one being temporary and the other permanent.

Full information as to the requirements are set forth in the specifications and bidding blanks.

Bids on individual machines will not be considered, as it is the desire of the Town of Culpeper to let the contract as a whole to some general contractor who is in a position to bid on the work installed and tested in actual operation with unbroken responsibility.

Parties who are in a position to bid on the work as above may bid direct to the town as general contractors.

Parties who are not in a position to bid as above may bid on their equipment to the general contractors, and should be represented at the letting.

Each bid must be accompanied with a certified check, cashier's check or bidder's bond in the sum of \$500, which will become a forfeit to the Town of Culpeper if contract is not entered upon and bond executed promptly after the award.

The bidder to whom the contract may be awarded will be required to execute an indemnity bond in the sum of \$5000 with some satisfactory guaranty company to safeguard the proper performance of the contract.

Plans and specifications may be examined at the office of the Chairman of the Water Committee, or may be had from him alone on receipt of a check for \$10.

This check will be returned only to parties who may have submitted bona fide bids, and returned the plans and specifications in good condition, both before the date set for closing bids.

The Town of Culpeper reserves the right to reject any or all bids.

R. F. BOOTON,

Chairman Water Committee,

Culpeper, Virginia.

THE AMBLER ENGINEERING CO.,
Richmond, Virginia.

**CLASSIFIED OPPORTUNITIES****MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES**

FOR SALE—Glass sand property, quality suitable for optical glass, quantity sufficient for any purpose; samples, analyses and particulars on request.

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NORTHWEST GEORGIA.

The scene of the next great industrial development in Georgia. Electric power available. Large power plants under construction.

For industrial sites; pine and hardwood timber; brick shales; clays, large or small water powers; farms in a prosperous section. Write, with detail, as to your requirements.

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Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made. Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows: 100 lines, 28c per line; 300 lines, 26c per line; 500 lines or more, 25c per line.

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

FOR SALE—At a bargain, 1000 acres of the famous Black Creek Seam, Shale and Fire Clay. Last available acreage suitable for drift mining, which is underlaid with fire clay and over burden of high-grade shale. Cut by railroad and with hydro-electric line and on proposed waterway. Box 43, Blount Springs, Ala.

GRAVEL BED WANTED

WANTED TO LEASE or purchase gravel bed located in State of Virginia or North and South Carolina. Reply
743 LAW BUILDING, NORFOLK, VA.

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

BROWN STONE QUARRIES

FOR SALE TO SETTLE ESTATE—Brown Stone Quarries and 125-acre farm located in York Co., Penna., near Penna. R. R. line, Harrisburg, Pa., to Washington, D. C. Entire tract underlaid with the very best brownstone. Copies of U. S. report and Penn. Geological Survey, with sample of stone sent on request. Personal investigation solicited; land not needed for immediate quarry purpose is well adapted for fruit or general farming; reasonable price and terms for prompt purchase.

REEHLING ESTATE, Steelton, Pa.

COAL LANDS

FOR SALE—800 Acres Strip Coal, Southern Indiana.

J. R. WASSON,
OAKLAND CITY, IND.

FOR SALE—107,000 acres coal and timber lands in Muscogee Shoals District. Coal veins from 3 ft. to 14 ft. in thickness, fine-grade steam and domestic coal. Timber average 2500 ft. per acre, not counting cross-ties, telephone poles, tan bark. Railroad and water transportation through the property. Warranty deed. Price \$8.00 per acre.

L. B. WYATT, Albany, Ala.

TIMBER AND TIMBER LAND

TIMBERLANDS, FOREST PRODUCTS, etc. Write us stating your requirements. **NORTHERN REALITIES CO., INC.**, New Birks Building, Montreal, Canada

FOR SALE—Timber lands, cut-over lands, especially suitable for colonizing, ranching or subdivision, located Alabama and Florida.

H. H. WEFEL, JR., Mobile, Alabama.

FOR SALE—78,000,000 feet fine timber, half L. Pine, half Red Cypress, at \$4.50 M; on railroad, 90 miles to seaboard; good logging; an unusual opportunity.

H. M. LINDSEY & CO., Mobile, Ala.

MILL AND TIMBER FOR SALE—Fifteen million feet pine, cypress and hardwood. Twenty million feet additional timber adjoining; 9-foot band mill in operation. Necessary logging equipment. Price Ninety Thousand Dollars. Satisfactory terms.

J. W. BARNES,

Mendel Building, Savannah, Georgia.

FOR SALE—Large line timber and land holdings, approximately 55,000,000 feet North Carolina pine and 5,000,000 feet gum and other hardwood timber, also 50,000 cords stave and heading-mill timber, standing and growing on 12,500 acres very rich lands, including great game preserve, with deer and other game, composed of several adjoining tracts connected altogether in one body. Ideal location for manufacturing plant most convenient for cheap logging and manufacturing this whole line of timber, fronting public highway and connected with creek water, which heads into the timber, with outlet for barges to deep-water harbor and railroad shipping piers at small cost. For appointments or further information, address

"OLD TIMBER CRUISER,"

Sub-station No. 5,
Norfolk, Va.

FARM, FRUIT AND TRUCK LANDS

ARKANSAS

FOR SALE—320 acres rice land, all under cultivation, in Arkansas Co., the heart of the rice belt, near R. R. and rice mills. Irrigated by two excellent wells, assuring never-failing crop. House, barn and all necessary buildings. Good soil, fine climate, hard surface roads. Splendid opportunity for investment in the rapidly growing South.

M. F. NICHOLS, Box 509, Knoxville, Tenn.

FLORIDA

FOR SALE.

400 Acres, near Jacksonville; one mile water front. **ERNEST YAGER**, 2855 St. Johns Ave., Jacksonville, Fla.

BEST FARMS, Groves, Graded Schools, Churches, Railroad, Highways, Lime, Kaolin Deposits, Famous Springs, Lakes, Hunting, Fishing; in Marion County.

SHOCKLEY, Lowell, Fla.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

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City Property. Farms. Groves. Acreage.
Nothing but Real Estate.

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Specializing in acreage, investments and industrial locations in Putnam County, Florida. Preferential freight rates. 3 railroads and St. John's River steamers to New York. Ask for booklet.

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FLORIDA INVESTMENTS.—Acreage tracts, timber tracts, subdivisions and hotel sites, any section in Florida. Some bargains with quick turnovers and large profits on small investments assured; 25 years' experience. **ASK ANYBODY.** **N. D. SUTTLES & COMPANY**, Jacksonville and West Palm Beach, Fla.

TWENTY ACRES AND PLENTY

Free book tells truth about Florida land; monthly payments \$1 an acre. Orange groves, planted, cared for, 10 per cent above cost.

SYLVESTER E. WILSON,
Dept. X, Orlando, Fla.

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MANATEE COUNTY

The county that stands 7th in production of fruit and vegetables in the U. S. A solid foundation back of your investments—Farm Lands—Business Properties—Lots or Acreage for Subdivisions. Full information on request—we can buy for you and we can resell for profit.

References: Bradenton Bank & Trust Co.
MANATEE LAND SALES CO.
Bradenton, Fla.

FLORIDA PROPERTY.

Acreage, Orange Groves, Farm Lands, Subdivisions and Business Property in the heart of the state that affords exceptional opportunities for investments and developments. Let me act as your broker. I have long been a resident and know the state well, and have never recommended to any purchaser any property that did not enhance in value. References: Munroe & Chambliss National Bank, Chamber of Commerce or any local merchant. **C. C. BENNETT**, Simmons Block, Ocala, Fla.

WILLIAM H. COLLIER, INC., INVESTMENT BROKERS, DE LAND, FLORIDA.

offers a reliable, distinctive service in real estate investments. Our weekly letter is reliably informative. Your name and address will bring it to you without obligation. Address **Claude Wright**, General Manager, William H. Collier, Inc., De Land, Florida.

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GEORGIA

3000-ACRE fruit and cotton farm, 13 miles from Macon, Ga. Will sell at sacrifice or exchange. Write **Ingram Land Company**, Birmingham, Ala.

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MISSISSIPPI GULF COAST.

The Mississippi Gulf Coast is one of the beauty spots of the earth. An ideal climate all the year round; truck farming is carried on throughout the winter months. In addition to that we have a splendid fruit country; we grow oranges, grapefruit, peaches, pears, figs, etc. It is also one of the healthiest places in the world and is building up rapidly. Write for illustrated booklet.

B. C. COX, Realtor,
Gulfport, Miss.

NEW YORK

FOR SALE OR EXCHANGE—500-acre grain and stock farm, well fenced, good water. New York State; on good road, near railroad, trolley, school and village. One good house, two tenant houses, large barns, all necessary outbuildings. What have you to offer? **Ellis L. Wright**, Box 497, Roanoke, Va.

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FARMERS, LOCATE where you can have longest growing season. Largest strawberry market; ideal climate, churches, schools, roads, hunting, fishing, rich lands, developed and undeveloped, low in price; good negro labor, low in wages. One day to Northern markets. Buyers come here; pay market price; cash for everything. Address **FARMER**, P. O. Box 35, Chadbourne, N. C.

FOR SALE—1290 acres level, productive land, 975 in cultivation, 175 of which is bottom land, lying on both sides of large creek, balance in woodland; will cut million feet of lumber; one mile from town population of 9000, 925 feet above sea level (recognized as the best town in the Piedmont section of North Carolina); beautiful location for textile development; electric power available, health excellent, being 20 miles from famous Brushy Mountain range, which forms a protection from cold winter winds and tornadoes and furnishes breeze in hot Summer. On hard-surface road; 13 dwellings, 8 barns, fine orchard.

E. G. GAITHER,
Statesville, N. C.

TEXAS

LOWER RIO GRANDE VALLEY of Texas. Orange and Grapefruit Lands. Large tracts for development. Well located, with or without irrigation. For prices and terms, **WITMER & WINN**, Mercedes, Texas.

VIRGINIA

500-ACRE FARM at sacrifice. Stock, tools and equipment \$40,000; fourth down. Modern bungalow on Rappahannock River, 2 miles wide. Fine oyster bed and bathing beach. Fish in abundance; wild duck and geese plentiful. Ideal for club or home of sportsman. **W. T. BAILEY**, Suffolk, Va.

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WASHINGTON, D. C.

250 acres, 7 miles from White House. Best large suburban proposition at the gates of National Capital. Low price and terms to suit. Will sell upon development from 3c to 15c per sq. ft. Over two miles frontage on U. S. Conduit and Maryland State Roads. Good as city streets.

J. S. TOMLINSON, Owner,
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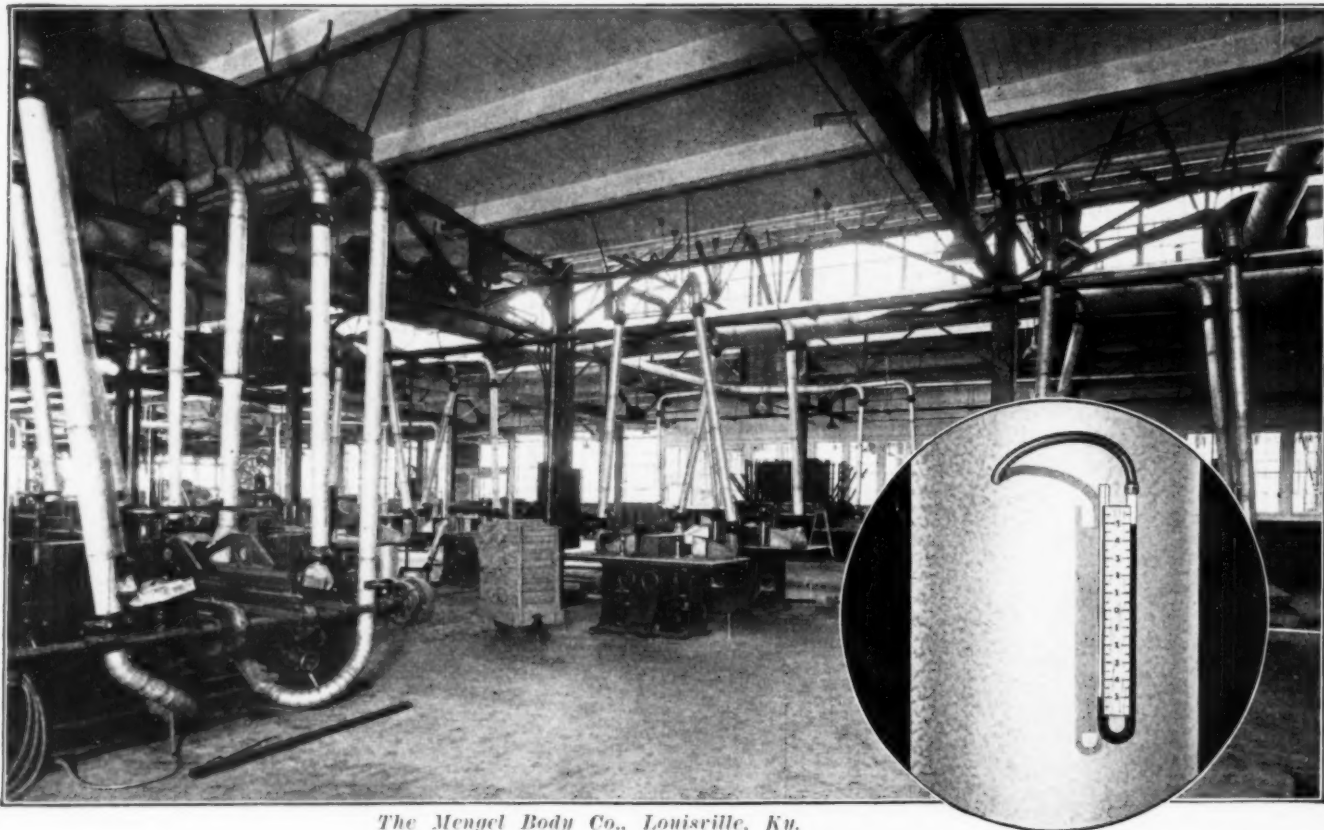
Oxy-Acetylene Division

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*Shavings and Dust Collecting Systems, Waste and Fume Removal,
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